

Annual Administrative Code Supplement
2021 Edition

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

GENERAL INDUSTRY AND CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 505. CORONAVIRUS DISEASE 2019 (COVID-19) FOR HEALTHCARE

R 408.1 Scope, application, and adoption by reference.

Rule 1. (1) These rules apply to all healthcare employers covered in the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1001 to 408.1094, for SARS-CoV-2 coronavirus and COVID-19.

(2) The following federal Occupational Safety and Health Administration (OSHA) regulations are adopted by reference in these rules:

(a) 29 CFR 1910, Subpart U, "COVID-19 Emergency Temporary Standard."

(b) 29 CFR 1910.502, "Healthcare," effective June 21, 2021.

(c) 29 CFR 1910.504, "Mini Respiratory Protection Program," effective June 21, 2021.

(d) 29 CFR 1910.505, "Severability," effective June 21, 2021.

(e) 29 CFR 1910.509, "Incorporation by Reference," effective June 21, 2021.

(3) The OSHA regulations adopted in these rules are available from the United States Department of Labor, Occupational Safety and Health Administration website, www.osha.gov, at no charge, as of the time of adoption of these rules.

(4) The regulations adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(5) The regulations adopted in these rules may be obtained from the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143. Up to 5 copies of these standards may be obtained at no charge. For quantities greater than 5, the cost is 4 cents per page, plus \$20.00 for shipping and handling.

History: 2021 MR 19, Eff. Oct 26, 2021.

R 408.2 Sunset.

Rule 2. These rules remain in full force and effect until such time as the United States Department of Labor, Occupational Safety and Health Administration standards adopted by reference in R 408.1 are withdrawn, repealed, or rescinded.

History: 2021 MR 19, Eff. Oct 26, 2021.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

WORKERS' DISABILITY COMPENSATION AGENCY

GENERAL RULES

PART 1. DEFINITIONS

R 408.31 Definitions.

Rule 1. (1) As used in these rules:

(a) "Act" means the worker's disability compensation act of 1969, 1969 PA 317, MCL 418.101 to 418.941.

(b) "Appearance" means participation in person, or by telephone, video conference, or other electronic means, at any hearing or conference under this act. This definition should not be interpreted to limit the authority of the director or a magistrate to require a party or a witness to appear in person.

(c) "Approved vocational rehabilitation provider" means any person, firm, partnership, corporation, or other legal entity that has submitted form WC-502, or its electronic equivalent, meets the minimum standards as prescribed by the agency for approval, and has been approved by the agency.

(d) "Debit card" means a stored value card issued by a federally insured financial institution that provides a claimant or the dependent of a claimant immediate access for withdrawal or transfer of the claimant's weekly compensation payments through a network of automatic teller machines. "Debit card" includes a card commonly known as a payroll debit card, payroll card, or paycard.

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- (e) “Electronic equivalent” means a record created, generated, sent, communicated, or received by electronic means.
 - (f) “Electronic filing” means the process of submitting a document over the internet to the agency, including State of Michigan File Transfer System (FTS), in accordance with the instructions available on the agency’s website.
 - (g) “Electronic service” means the serving of any document by e-mail or electronic file transfer.
 - (h) “Electronic signature” means an electronic sound, symbol, or process, attached to or logically associated with a record and executed or adopted by a person with the intent to sign the record. Both of the following apply regarding an electronic signature:
 - (i) An electronic signature may be a graphic representation of the signature.
 - (ii) The following forms are acceptable: “/s/ John Smith,” “/s/ John Smith, Attorney,” or “/s/ John Smith, Authorized Representative.”
 - (i) “File Transfer Service” (FTS) means an electronic computer-based system that facilitates the transmission of a computer file through a communication channel provided by the State of Michigan from one computer system to another.
 - (j) “Forensic vocational evaluation” means an independent, individualized assessment and evaluation process involving the application of specialized knowledge and the use of scientific, technical, or other professional knowledge for the resolution or clarification of issues related to a claim, typically in a legal setting. This is not vocational evaluation as used in R 408.45a or section 319 of the act, MCL 418.319.
 - (k) “IWRP” means an individualized written rehabilitation plan. An IWRP is a document mutually developed by the vocational counselor and the employee that provides a detailed outline of goals, objectives, responsibilities, and services necessary for successful rehabilitation of the employee. The plan is specific to the individual, reviewed on a regular basis, and updated as provided in R 408.45a(3).
 - (l) “Return-to-work hierarchy” means a sequence of steps designed to assist an employee with returning to any of the following:
 - (i) Same job, same employer.
 - (ii) Modified job, same employer.
 - (iii) Different job, same employer.
 - (iv) Same job, different employer.
 - (v) Different job, different employer.
 - (vi) Self-employment.Remedial and retraining services can be applied at any level of the hierarchy to facilitate success.
 - (m) “Vocational evaluation” means a vocational evaluation under section 319 of the act, MCL 418.319. It is a comprehensive process of gathering and analyzing relevant information such as educational, medical, and vocational history, interests, aptitudes, and vocational assessment results in order to develop recommendations and the IWRP. The vocational evaluation should include a face-to-face interview with the employee.
 - (n) “Week” as used under section 319 of the act, MCL 418.319, means a 7-day period during which the employee actually participates in vocational rehabilitation services that are part of an approved IWRP.
 - (2) Unless the context of the rule indicates otherwise, the terms “agency” and “director” have equivalent meaning.
 - (3) Terms defined in the act have the same meanings when used in these rules.
- History: 1979 AC; 1980 AACS; 1984 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

PART 2. RECORDS

R 408.31a Report of injury; claim for compensation, additional reports; weekly rate of compensation.

Rule 1a. (1) An employer shall report immediately, to the agency, on form WC-100, or its electronic equivalent, all injuries, including diseases, which arise out of and in the course of the employment, or on which a claim is made, and result in any of the following:

- (a) Disability extending beyond 7 consecutive days, not including the date of injury.
 - (b) Death.
 - (c) Specific losses.
- (2) Any report of injury filed with the agency by an employer that fails to meet the requirements of subrule (1) of this rule shall not be maintained as a record of the agency unless filed with a form WC-107, or its electronic equivalent.
- (3) An employer shall immediately give a copy of the report of injury form WC-100, or its electronic equivalent, to the injured employee or, in the case of death, to the dependents. The employer or its carrier shall include a written notice to the injured employee or dependents on a form prescribed by the director of the agency, advising of their rights under the act. Any filing required in this section shall indicate compliance with this requirement. In case of death, an employer shall also

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immediately file an additional report on form WC-106, or its electronic equivalent.

(4) An employee may make a claim for compensation to the agency on form WC-117, or its electronic equivalent. The agency shall provide a copy of form WC-117, or its electronic equivalent, to the employer and carrier. The carrier shall respond to a form WC-117 in the same manner as a form WC-100.

(5) No later than 28 days following report of an injury, the employer or carrier shall deliver to the employee a form or its electronic equivalent, as prescribed by the director of the agency, describing the employer or carrier's obligation to furnish reasonable and necessary medical care for the work-related injury or disease. After an employee has given an employer the name of the physician with whom he or she intends to seek treatment and has commenced treatment with the physician under section 315 of the act, MCL 418.315, the employee shall obtain and promptly furnish a report to the employer, insurance company, private employer group self-insurers' security fund (PEGSISF), first responder presumed coverage fund, or self-insurers' security fund. The report must set forth the history obtained, the diagnosis, the prognosis, and other information reasonably necessary to properly evaluate the injury, the disability, and the necessity for further rehabilitation or treatment. Thereafter, at reasonable intervals of not more than 60 days, an employee shall obtain and furnish a current medical report, paid for by the carrier, containing the same information, together with an itemized statement of charges for services rendered to date.

(a) A self-insured employer, insurance company, PGSISF, first responder presumed coverage fund, or self-insurers' security fund is not required to make payment to the physician until reasonable proof and itemized charges have been furnished to it.

(b) Medical fees may not exceed the maximum allowable payment (MAP) established by the fees considered usual and reasonable for the services performed in accordance with the health care service rules or the provider's usual and customary charge, whichever is less.

(6) For a case that requires the payment of benefits, a carrier, the second injury fund, the PGSISF, the first responder presumed coverage fund, the self-insurers' security fund, and the silicosis, dust disease and logging industry compensation fund, shall file all of the following reports, notices, or statements in the format required by the agency:

(a) Form WC-701, or its electronic equivalent, on the day after the first payment of compensation. The carrier or fund shall furnish a copy of form 701 to the employee.

(b) Form WC-701, or its electronic equivalent, on the day after the stopping of payment of compensation, showing the amount of compensation paid in every case.

(c) Form WC-701, or its electronic equivalent, within 30 days from the annual anniversary of the date of injury on claims where the starting of weekly compensation benefits has been reported and weekly compensation benefits have not been stopped. The annual report must include a weekly summary of wages earned when partial wage loss benefits pursuant to section 301(9)(c) of the act, MCL 418.301, are being paid or have stopped prior to the anniversary date if not already reported.

(d) Form WC-701, or its electronic equivalent, on the day after due to:

(i) The application of section 301(8), 354, 357, 358, 401(6), or 827 of the act, MCL 418.301, 418.354, 418.357, 418.358, 418.401, and 418.827.

(ii) A change in the number of dependents.

(iii) Recoupment of an overpayment.

(iv) Reimbursement or adjustment resulting from involvement of a fund created under section 501 of the act, MCL 418.501.

(e) If benefits have been reduced to zero for 30 days or longer, a WC-701, or its electronic equivalent, shall be filed in accordance with R 408.31(b).

(f) The form WC-701 shall state the reason for any change and include the calculation applied.

(7) The carrier or fund shall send a copy of any WC-701 to the employee.

History: 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.31b Computation of weeks and days.

Rule 1b. In computing periods of disability and of compensation, a week shall be computed as 7 days and a day as 1/7 of a week, without regard to Sundays, holidays, and working days.

History: 2021 MR 23, Eff. Dec. 10, 2021.

R 408.32 Compensation supplement fund; "maximum benefit" defined.

Rule 2. (1) A carrier, second injury fund, PGSISF, or self-insurers' security fund shall claim reimbursement from the compensation supplement fund for payments made in accordance with section 352 of the act, MCL 418.352. A carrier, second injury fund, PGSISF, or self-insurers' security fund shall make a claim on the form WC-114, or its electronic equivalent, application for reimbursement.

(2) A carrier, second injury fund, PGSISF, or self-insurers' security fund shall make an initial application for

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reimbursement not later than 3 months after the end of the quarter for which the right to reimbursement first accrues. The right to reimbursement first accrues on the first day of the quarter following any quarter for which supplemental benefits are first paid or ordered to be paid.

(3) A carrier, second injury fund, PEGSISF, or self-insurers' security fund may make subsequent application for reimbursement quarterly, but not later than 1 year after the closing date of the quarter for which reimbursement is being requested.

(4) A carrier, second injury fund, PEGSISF, or self-insurers' security fund shall submit a separate form WC-114, or its electronic equivalent, for each quarter for which reimbursement is requested. A quarter, as used in this rule, is based on a calendar year as identified by the agency on an annual basis.

(5) Upon a proper showing of a claim for reimbursement, the compensation supplement fund shall make payment within a reasonable time after the receipt of the claim. The compensation supplement fund shall normally make reimbursement within 3 months after the receipt of form WC-114, or its electronic equivalent, unless a dispute arises.

(6) For the purpose of these rules, "maximum benefit" means the statutory maximum for the year of injury upon which benefits are based; 2/3 of the employee's average weekly wage on the date of injury; the minimum compensation rate in effect on the date of injury; or a maximum compensation rate established by agency order. If an employee, or his or her dependents, is receiving maximum benefits as defined in this subrule, there will be a presumption that benefits are being paid under section 351 or 321 of the act, MCL 418.351 and 418.321.

(7) A compensation supplement may not be paid for any of the following received by an eligible employee or dependent:

(a) Benefits received for any period of disability before January 1, 1982.

(b) Benefits received under an agreement to redeem the liability of the carrier.

(c) A lump sum payment for remarriage under section 335 of the act, MCL 418.335.

(d) Interest paid on benefits awarded by a magistrate.

(e) Partial compensation paid under section 361(1) of the act, MCL 418.361.

(8) In a case involving a lump sum advance payment, supplemental benefits are not part of the advance payment, but must continue to be paid weekly.

(9) In a case involving the carrier's right to subrogation in a third-party recovery, the amount of supplemental benefits is based on the weekly compensation rate that the employee would have been receiving on January 1, 1982.

(10) If compensation supplement benefits have been paid and if the employee is later found to be entitled to total and permanent disability benefits, then the second injury fund shall reimburse the compensation supplement fund for the appropriate amount of benefits paid by the compensation supplement fund, and the second injury fund shall reimburse the carrier for the balance of benefits that would have otherwise been paid by the compensation supplement fund.

(11) If the second injury fund is paying differential benefits directly to the injured employee and if the amount of differential benefits increases, then the second injury fund either shall reimburse the compensation supplement fund for any overpayment of money that the compensation supplement fund has already reimbursed the carrier or shall reimburse the carrier directly in cases where the compensation supplement fund has not yet reimbursed the carrier.

(12) If a case is on appeal over the issue of whether the injured employee is totally and permanently disabled and if the claimant is receiving 70% of the amount of differential benefits that would be owed if total and permanent disability is found to apply, the amount of supplement that is due may be reduced or offset by the 70% amount that is being paid.

(13) If the compensation supplement fund has reimbursed a carrier for the supplemental benefits paid, and if it is later found that the amount reimbursed included an overpayment, then the compensation supplement fund is entitled to recoupment of the overpayment from the carrier. The carrier is entitled to recoup the overpayment from the employee.

(14) Section 357 of the act, MCL 418.357, may not be applied when the amount of supplemental benefit, as provided for in section 352 of the act, MCL 418.352, is calculated for eligible employees whose date of personal injury is before July 1, 1968.

(15) After the supplemental benefit has been computed in accordance with section 352(1) of the act, MCL 418.352, based on the weekly compensation rate that the employee or dependent of a deceased employee is receiving or is entitled to receive on January 1, 1982, had the employee been receiving benefits at that time, the supplemental benefit may not be reduced or increased by changes to the weekly compensation rate that occur after January 1, 1982, except as provided in section 352 of the act, MCL 418.352, and in this rule.

History: 1979 AC; 1980 AACS; 1984 AACS; 1986 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.32a Medical benefits; reimbursement application.

Rule 2a. (1) To be reimbursed for payments made in accordance with the provisions of section 862(2) of the act, MCL 418.862, medical benefits must have been required by the terms of an award and been paid in accordance with section 315 of the act and the rules promulgated under section 315 of the act, MCL 418.315. In providing benefits as required by section

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862(2) of the act, MCL 418.862, a carrier shall require that the employee and the provider comply with the requirements of section 315 of the act, MCL 418.315.

(2) Reimbursement shall apply only to cases for which an initial application for mediation or hearing is filed after March 31, 1986, under section 847 of the act, MCL 418.847. Claims must be made on forms provided by and submitted to the agency. If other insurance coverage is or was available to cover medical benefits paid under section 862(2) of the act, MCL 418.862, then the agency will not make reimbursement.

(3) Applications for reimbursement from the agency must be made not less than 30 days after the benefit amount is reduced or rescinded by a final determination. An application for reimbursement must be made not later than 1 year after a final determination is entered that reduces or rescinds benefits.

(4) Reimbursement from the agency must be consistent with benefits awarded in the magistrate's decision. Reimbursement will only be made for medical benefits that were provided between the agency mailing date of the magistrate's award and the mailing date of the final determination of the appeal or for a shorter period as specified in the award. A copy of the magistrate's order and all subsequent appellate decisions must accompany each request for reimbursement.

(5) A copy of the medical bills, proof of payment, and a medical report with sufficient documentation to demonstrate that the medical services provided fall within the provision of the magistrate's decision must accompany each request for reimbursement. Proof of payment must include certification from the carrier that it has paid the medical bills or, if requested by the agency, must include a receipt from the provider that shows that payment has been made.

(6) Reimbursement may not be paid if the claim was redeemed before the final determination or if the carrier has not provided proper documentation.

(7) The agency shall not pay interest on reimbursable amounts.

(8) If the agency determines that all or part of the request for reimbursement is not proper, then the agency shall notify the carrier in writing. If the carrier disputes the determination, then it may file an application for mediation or hearing.

History: 1989 AACCS; 1998-2000 AACCS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.33 Disputed claims; late payment penalty.

Rule 3. (1) On or before the fourteenth day after the employer has notice or knowledge of an alleged injury or death, the carrier, PEGSISF, and self-insurers' security fund shall notify the agency on form WC-107, or its electronic equivalent, if the right of the injured or dependent to compensation is disputed. A copy of the form WC-107, notice of dispute, must be provided to the injured employee.

(2) The following subdivisions govern the administration and enforcement of the penalty provisions under section 801 of the act, MCL 418.801:

(a) Under section 801(1) of the act, MCL 418.801, compensation must be paid promptly and directly to the person entitled to compensation. Weekly benefits become due and payable on the fourteenth day after the employer has notice or knowledge of the disability or death. On that date, all compensation that has accrued must be paid. If benefits are not paid within 30 days of becoming due and payable, then the carrier shall pay to the employee \$50.00 per day for each day after 30 days that the benefits remain unpaid, not to exceed \$1,500.00.

(b) If a case is in litigation and the defendant agrees to pay benefits on a voluntary basis, then the magistrate shall specify the weekly compensation rate, the period of time for which accrued benefits have become due, and which medical bills shall be paid by the carrier as a result of the injury or disability. If the benefits agreed to are not paid within 30 days of the date the agreement is formalized by the magistrate, then the carrier shall pay to the employee \$50.00 per day for each day after 30 days that the benefits remain unpaid, not to exceed \$1,500.00.

(c) A medical bill becomes due and payable when the carrier or employer has received reasonable proof and the itemized bill. If there is a dispute resulting in a delay in paying the medical bills, then the carrier shall advise the employee and doctor of the reasons for the delay in writing. If there is no dispute and the bill remains unpaid 30 days after the carrier has received notice of nonpayment by certified mail, then the carrier shall pay to the employee \$50.00 for each day after 30 days that the bill remains unpaid, not to exceed \$1,500.00.

(d) The travel allowance for medical examination, treatment, or rehabilitation is provided in R 408.45. The employee shall be notified by the carrier, in writing, of any dispute resulting in a delay in paying travel allowance payments. If the expenses are not paid within 30 days of the date of the carrier's receipt of notification of non-payment by certified mail, and if the expenses are not disputed, then the carrier shall pay the employee \$50.00 for each day after 30 days that the expenses remain unpaid, not to exceed \$1,500.00.

(e) Under section 801(4) of the act, an employer may be liable for all or a portion of the penalty provided in section 801(2) of the act, MCL 418.801. If there is a dispute between an employer and insurance carrier as to who is liable for the payment of the penalty, the carrier shall be liable for paying the penalties, but may be entitled to reimbursement from the employer.

(f) Any employee who may be entitled to penalty payments under section 801 of the act, MCL 418.801, and who has not

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received the payments may apply by notifying the agency in writing. A copy of the request must be forwarded to the carrier. In all cases, the agency shall respond within a reasonable period of time and shall act, as it deems appropriate, to resolve any disputes involving the penalty provisions of section 801 of the act, MCL 418.801. If a dispute continues beyond a determination by the agency or if the director believes there is a question of compliance with the act, then the dispute may be set for a hearing under R 408.35. A party to a dispute may request a formal hearing before a magistrate.

(g) A carrier shall pay any penalty amounts due an injured employee as a result of the penalty provisions specified in section 801 of the act, MCL 418.801, in a separate check. Penalty amounts are not a part of the basic benefits to which an employee is entitled for the purpose of loss or assessment.

(h) Benefits, allowances, or bills are presumed paid within 30 days if a check is mailed within 27 days of becoming due and payable under these rules.

History: 1979 AC; 1980 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

PART 3. HEARINGS

R 408.34 Applications for hearing; small disputes.

Rule 4. (1) In cases of dispute coming under the jurisdiction of the agency, any party may apply to the agency for relief. The complaining party shall file an application WC-104a, WC-104b, or WC-104c, or their electronic equivalent, with the agency. The agency shall then serve the adverse party with a copy of the application and, at the same time, notify the parties of the time and place of the initial hearing. The adverse party shall file their answer to the application with the agency within 15 days after service and serve a copy of the answer on the complaining party. A form WC-104b without a corresponding WC-104a or WC-104c does not create an exception under section 230(3) of the act, MCL 418.230.

(2) In any case where the compensable disability of an injured employee is undisputed and involves 1 or more disputed injury dates during the course of employment with 1 or more employers, or during the course of employment with 1 employer who is insured by 1 or more insurance carriers, the agency may direct compensation benefits to be paid at the maximum rate, as determined in section 351 of the act, MCL 418.351, with no dependents as provided in the schedule of benefits on the earliest or initial date of injury alleged. The self-insured employer or insurance carrier that has the risk on the earliest or initial date of injury shall make the payments. Payments must continue through the mailing date of the decision of the magistrate and shall be adjusted in accordance with the decision unless an appeal is taken. If an appeal is taken section 862 of the act, MCL 418.862, applies. The magistrate shall order reimbursement where appropriate.

(3) In apportionment cases that are tried involving a date of injury before January 1, 1981, the primary action is between the last employer and the injured employee. All other joined employers may appear, cross-examine witnesses, give evidence, and defend on the issue of liability. In setting trial dates for such cases, only the convenience of the plaintiff and the last employer, or their attorney, shall be considered.

(4) After attempting to resolve the dispute without agency involvement, either party may request the director to schedule a conference or the director, on his or her own motion, may schedule a conference to resolve small disputes. Parties involved in such disputes shall attend the conference.

(5) Small claims matters submitted under section 841 of the act, MCL 418.841, shall be heard by a magistrate. The parties may stipulate that any decision rendered is applicable only to the issues submitted and not res judicata in any other proceeding between the parties other than for enforcement of the determinations in the decision.

History: 1979 AC; 1984 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.35 Agency compliance hearings.

Rule 5. (1) If the director believes that there has not been compliance with the act, then the director may, on his or her own motion, give notice to the parties and schedule a hearing for the purpose of determining compliance. The notice must contain a statement of the matter to be considered.

(2) If a matter that is alleged to be grounds for a hearing in accordance with this rule is brought to the attention of the agency, then the director or his or her authorized representative shall review the evidence of noncompliance with the act that is presented and, after making inquiries or investigations that he or she deems appropriate, determine if a hearing in accordance with this rule is necessary. The parties involved must be notified within 30 days of a receipt of the request as to the time and date of hearing or the reasons for denial.

(3) The agency shall schedule a hearing within a reasonable time, subject to the availability and schedules of hearing personnel and the parties involved. A request for a hearing under this rule must, at a minimum, contain sufficient information to warrant investigation or inquiry into a matter. The request for hearing must include, but is not limited to, all of the following information:

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- (a) Facts and law involved in the alleged failure to comply, including names, dates, amounts, or other pertinent information.
 - (b) A description of the redress or other specific action requested with specific references to sections of the act allegedly not complied with.
 - (4) The director shall issue an order on the hearing in which compliance may be ordered
 - (5) Any order of the director under this rule may be appealed to the board of magistrates within 15 days after the order is mailed to the parties. If the order is not appealed within 15 days after mailing, then the order of the director is final. The board of magistrates shall conduct a hearing on the appeal within 60 days of the date of appeal to the board of magistrates.
- History: 1979 AC; 1984 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.36 Service of papers and other pleadings; manner of service; date of service; statement or proof of service; filings.

Rule 6. (1) Service of all applications, papers, notices, and orders must be in accordance with the following:

- (a) Service of all original applications for hearing under R 408.34(1) must be by the agency on each named party to the case at the time service is made.
- (b) Service of any subsequent applications or motions filed on a pending contested case that may alter the parties to a case must be by the agency. The agency shall serve all new parties but may serve only the attorney for each previously named party. Parties not represented by legal counsel shall be served directly. The agency may request the necessary papers, notices, and postage to be provided by the moving party.
- (c) Service of any subsequent applications or motions filed on a pending contested case that do not alter the parties to a case may be made by the moving party upon the adverse party. The moving party is only required to serve the attorney for each previously named party. Any party not represented by legal counsel must be served directly. The original petition or motion and proof of service shall be filed with the agency.
- (d) Notices mailed by the agency after service of the original application for hearing must be served upon the attorney for each named party. Any party not represented by legal counsel must be served directly. If the notice requests or requires the appearance or action of a specific party, that party must also be served.
- (e) Decisions or orders issued by the agency must be served on all parties, by mail, e-mail to the e-mail address on file, FTS, or personally on the date of hearing. Upon mailing, e-mailing, FTS or personal service, the original order and copies must show a mailed date or acknowledgement of personal service on their face, from which date the appropriate appeal period shall run.
- (f) Service of all other papers, unless otherwise directed by law, may be made by mail, e-mail, or FTS by the moving party upon the adverse party and proof of such mailing shall be prima facie evidence of such service. Proof of such service shall be filed with the agency.
- (g) Service of all papers under this rule upon employers whose liability under the act is not insured according to the records of the agency, or who have not been granted the privilege of self-insurance, must be by certified mail with a return receipt requested. Filing of the return receipt is prima facie proof of service.
- (h) Service between the parties may be completed electronically if the parties agree to service by e-mail, or electronic file transfer subject to all of the following:
 - (i) The agreement for service by e-mail or electronic file transfer must set forth the FTS mailbox or e-mail addresses of the parties or attorneys that agree to electronic service.
 - (ii) Parties and attorneys who have agreed to service by FTS under this subrule shall immediately notify all other parties if the party's or attorney's FTS mailbox or e-mail address changes.
 - (iii) Documents served electronically must be in pdf format or other agency-approved format that prevents the alteration of the document contents.
 - (iv) Documents received by a party electronically on or before 11:59 p.m. Lansing, Michigan time, are considered served on the same business day or, if received on a Saturday, Sunday, or state holiday, are deemed to be received on the next business day.
 - (v) The parties are not required to file a copy of the electronic service agreement with the agency unless a dispute arises as to service by electronic service.
 - (vi) The electronic sender shall maintain an archived record of sent items that may not be purged until the conclusion of the contested proceedings, including the disposition of all appeals.
- (2) The agency may serve documents on the parties, the parties' attorney, or the parties' authorized representative by mailing a copy, by FTS to the designated mailbox, by e-mail to the e-mail address on file, or by personal service.
- (3) At the discretion of the director, the agency may use alternative service methods including any of the following:
 - (a) Transmitting by facsimile.
 - (b) Utilizing a commercial delivery service.

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(c) Leaving a copy of the document at the residence, principal office, or place of business of the person or agency required to be served.

(4) Documents and pleadings may be filed in a proceeding by mailing, personal delivery, facsimile, FTS, or other agency-approved electronic filing system, if provided.

(5) All document filings must be formatted using a 12-point font on 8½ x 11-inch paper, unless filed electronically using an agency-approved electronic filing system.

(6) Documents and pleadings filed by mail, e-mail, an agency approved electronic filing system, personal delivery, or facsimile and received by the agency on or before 11:59 p.m. Lansing, Michigan time are considered filed on the same business day. If received on a weekend or holiday, they are considered received in the following business day.

(7) A required signature means a written signature, or an electronic signature.

History: 1979 AC; 1984 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.37 Rescinded.

History: 1979 AC; 1998-2000 AACs.

R 408.38 Application for advance payment of compensation.

Rule 8. An applicant shall submit an application for advance payment of compensation on form WC-108, or its electronic equivalent. If the carrier, second injury fund, self-insurers' security fund, PEGSISF, or first responder presumed coverage fund refuses to approve the application, then the matter must be set for hearing to determine whether the application should be approved. A carrier, second injury fund, self-insurers' security fund, PEGSISF, or first responder presumed coverage fund shall not approve, and a magistrate shall not order, an advance payment of compensation to a minor dependent until a legal guardian has been appointed.

History: 1979 AC; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.39 Redemptions.

Rule 9. (1) An agreement to redeem the liability of the carrier, second injury fund, self-insurers' security fund, PEGSISF, silicosis and dust disease fund, or first responder presumed coverage fund must be submitted on form WC-556, or its electronic equivalent, agreement to redeem liability. The agreement must be accompanied by a report from a licensed medical provider or examiner.

(2) A request for review of an order of a workers' compensation magistrate entered under section 837(1) of the act, MCL 418.837, must be filed in writing with the director. Filing may be accomplished by hand delivery, mailing, facsimile, or other electronic means as prescribed by the director.

(3) A request for review must be received by the director not later than 15 days after the service date that appears on the face of the redemption order.

(4) The party filing a request for review shall provide copies to all other parties at the time of filing with the director.

(5) The party filing a request for review shall file with the director a copy of the transcript of the redemption hearing within 30 days of filing the request for review. A copy of the transcript must be provided to all parties at the time of filing with the director. The director may grant extensions of time to comply with this requirement for sufficient cause shown.

(6) If the director requests review of the order of the workers' compensation magistrate, the director is responsible for adherence to these rules.

(7) Service of all filings made under this rule may be made upon a party's attorney of record. A party not represented by an attorney must be served personally or by mail.

(8) Proof of service must be filed with the director with each filing and served upon all parties or their attorney.

(9) Failure to comply with these rules may result in dismissal of the request for review.

History: 1979 AC; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.40 Stoppage, reduction, or suspension of compensation.

Rule 10. (1) If compensation is being paid under an order or award of the magistrate, workers' disability compensation appeals commission, or an appellate court, then compensation may not be discontinued or reduced without a further order or award, except as provided in subrules (3) and (4) of this rule and sections 301(8), 301(9)(c), and 401(6) and 301(9)(c) of the act, MCL 418.301 and 418.401.

2) At the time of filing an application requesting a stoppage of compensation, the moving party shall provide to the claimant and counsel, if represented, the following:

(a) Proof of payment of compensation to within 15 days of the date of the filing of a petition to stop compensation and either:

(i) An affidavit stating that the employee has returned to gainful employment paying wages at or greater than his or her

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average weekly wage at the time of injury and that substantially describes the nature of the employment.

(ii) A signed statement from 1 of the following:

(A) A physician stating that the employee is able to return to unrestricted employment.

(B) A physician stating that the employee is able to return to restricted employment accompanied by an affidavit demonstrating that such reasonable employment has been offered, or is reasonably available, to the employee.

(C) A physician stating that the conditions found to be work-related cease to exist and are no longer a cause of current wage loss.

(D) Proof of any other ground for stopping benefits permitted by law.

(3) Upon receipt of an application requesting a stoppage of compensation, the agency shall schedule a hearing with a magistrate within 60 days.

(4) If a letter that carries a compensation check is returned by the United States Post Office unopened, and if a diligent search has been made for the party to whom compensation payment is due under the terms of an order or award, then the party liable for payment may suspend payment upon filing with the agency an affidavit that the check was returned and a diligent search was made to locate the party. The suspension may not prejudice the reinstatement of suspended payments.

(5) Upon filing of the report required by R 408.31a(6)(e) and notification to an employee, compensation benefits may be reduced in accordance with the act for changes in dependency, coordination of benefits, wages earned, and age 65 reductions.

(6) Except as provided under section 354 of the act, MCL 418.354, where the carrier, PEGSISF, first responder presumed coverage fund, or self-insurers' security fund has voluntarily paid benefits or paid benefits pursuant to a voluntary pay agreement, no reimbursement of previously paid benefits may be ordered against the employee unless the employer or carrier establishes that the employee concealed post-injury earnings, or establishes that benefits were overpaid as a result of a mathematical, technological, or clerical error. Reimbursement of previously paid benefits shall not be ordered where an employer or carrier unreasonably changes its position regarding whether a condition is work-related or whether a claimant was disabled. If an overpayment occurs as result of a mathematical, technological, or clerical error, the employer or carrier shall not recoup overpayments by reducing ongoing weekly benefits greater than 50% as provided in section 354(9) of the act, MCL 418.354. A magistrate may, in his or her discretion, waive reimbursement of an overpayment upon an employee's showing of undue harm. The magistrate may take into consideration whether recoupment of an overpayment would not serve the purposes of the act.

History: 1979 AC; 1980 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.40a

Source: 1998-2000 AACS.

R 408.40b Appearances at conferences.

Rule 10b. (1) In a contested case, in a hearing district designated by the director, the parties or their attorneys shall appear before the agency at any hearing or mediation conference at a date and place scheduled by the director in person, by telephone, video conference, or other electronic means. Failure of the petitioner or his or her attorney to appear in a timely manner and participate in a mediation conference may result in the application for mediation conference or hearing being deemed to have been voluntarily withdrawn under section 205 of the act, MCL 418.205. Failure of the defendant or its attorney to appear in a timely manner and participate in a mediation conference may subject the defendant to being charged immediately under R 408.35 for noncompliance with the act. A party that fails to appear and participate in a scheduled mediation conference shall obtain the dates for any future mediation conferences or hearings scheduled.

(2) The agency may require any information from the parties that may be necessary to monitor the progress of the case, assist in the voluntary exchange of information between parties, and facilitate the scheduling of cases.

(3) If the parties agree to compromise the dispute by voluntary payment, the terms of such payment must be specified on the voluntary payment form signed by both parties and the director or designated representative. If the benefits agreed to are not paid within 30 days of the date the agreement is personally served or mailed by the agency, then the carrier shall pay to the employee penalties in accordance with section 801 of the act, MCL 418.801.

History: 1979 AC; 1984 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.40c

Source: 1998-2000 AACS.

R 408.40d

Source: 1998-2000 AACS.

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R 408.40e

Source: 1998-2000 AACS.

R 408.40f

Source: 1998-2000 AACS.

R 408.40g

Source: 1998-2000 AACS.

R 408.40h

Source: 1998-2000 AACS.

PART 3. INSURANCE

R 408.41 Notice of insurance.

Rule 11. (1) Every notice of issuance of a workers' disability compensation insurance policy must be reported to the agency on form WC-400, or its electronic equivalent, insurer's notice of issuance of policy. If the employer is a partnership, the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, the notice must state the assumed name and each Michigan location covered. If the employer is a corporation doing business through a number of divisions, the notice must state the names of all the divisions of the corporation. The agency shall be notified when any insurance company receives a change of address of an insured.

(2) A form WC-403, or its electronic equivalent, insurer's notice of name or address change, shall be filed when an employer is updating, adding, or deleting information related to a business name, address, or division. Any changes must be specific to the federal identification number noted on the form. Changes to business entities under different federal identification numbers will require separate forms for each number.

History: 1979 AC; 1980 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.41a Termination of insurance.

Rule 11a. A notice of termination of the liability of an insurance company on a policy covering the risk of an employer under the act must be reported to the agency on form WC-401, or its electronic equivalent, notice of termination of liability. A copy of the notice must be mailed to the employer. If the employer is a partnership, the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, the notice must state the assumed name and the names of all parties doing business under the assumed name. If the employer is a corporation doing business under a number of divisions, the notice must state the names of all the divisions of the corporation. If a business changes names notice must be given stating both the new and former names. Notice of termination of a policy which has expired shall not be reported when the insurance carrier has accepted responsibility under a further or renewal policy, except for an assured's name change.

History: 1980 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.41b Notice of election to be excluded as employees under act.

Rule 11b. (1) A notice of election to be excluded under section 161(5) of the act, MCL 418.161, must be reported to the agency on form WC-337, or its electronic equivalent, notice of exclusion. The employer shall have the notice notarized. If the employer is a partnership or corporation, then the notice must state the names of all the partners or corporate officers. If the employer is doing business under an assumed name, then the notice must state the assumed name and each Michigan location covered.

(2) The employer shall certify that the employees signing the exclusion comprise all of the employees of the employer. The employer shall further certify that all employees are eligible to be excluded under section 161(2) or (3) of the act, MCL 418.161. Each employee shall furnish his or her social security number and certify that the employee voluntarily signed the election to be excluded. The employer shall furnish its federal identification number. The employer shall furnish each employee with a copy of the completed exclusion form before filing the form with the agency. The exclusion shall become effective upon receipt of the notice of exclusion by the agency.

History: 1987 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.41c Notice of election to terminate exclusion as employees under act.

Rule 11c. (1) Every notice of election to terminate an exclusion from coverage previously filed under section 161(5) of the act, MCL 418.161, must be reported to the agency on form WC-338, or its electronic equivalent, notice to terminate

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exclusion. The employer shall have the notice notarized. The notice must state the reason for terminating the exclusion. The notice to terminate exclusion must certify that all employees and the employer signing the notice to terminate exclusion have received a copy of the completed notice to terminate exclusion before filing the notice with the agency. The employer shall furnish its federal identification number.

(2) The termination of exclusion is effective not later than 20 days after the notice to terminate exclusion is received by the agency. If a carrier is providing coverage at the time the notice to terminate exclusion is filed, or assumes coverage during the 20-day period, then the notice to terminate exclusion is effective on the date the carrier assumes coverage.

History: 1987 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.42 Application for specific risk insurance policy to cover specified construction site.

Rule 12. An applicant may make written application to the agency for permission to obtain a specific risk insurance policy to cover all employers on a specified construction site where the cost of construction will be more than \$65,000,000.00 and the contemplated completion period will be 5 years or less. The application must give sufficient detail to specify the location of the proposed construction site, a breakdown of the total cost, and the contemplated completion period for the construction. After considering the application and all supportive data, the agency shall either grant approval or advise the owner of the requirements to be met before approval is granted. The applicant shall be given 30 days from the receipt of the agency's notice in which to comply with the requirements of the agency. The approval for a specific risk policy is not effective until the agency has received proof that all requirements of the agency for issuance of a specific risk policy to cover a specified construction site have been met. The applicant, at the discretion of the director, may be granted additional time to meet the requirements for approval of a specific risk policy. A request for an extension of time must be made in writing within the 30-day compliance period. If the agency does not receive proof that all requirements for the approval of a specific risk policy for a specified construction site have been met within the time prescribed, then the application is considered withdrawn.

History: 1979 AC; 1980 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.42a Notice of insurance; specified construction site insurance policy.

Rule 12a. If an insurance policy is issued to cover a specified construction site where the cost of the construction will be more than \$65,000,000.00 and the contemplated completion period will be 5 years or less, then the insurers shall notify the agency on a form WC-400A, insurer's notice of issuance of specific risk policy, of the date upon which the employer became subject to the specific insurance policy. If the employer is a partnership, then the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, then the notice must state the assumed name and the names of the parties doing business under the assumed name. If the employer is a corporation doing business through a number of divisions, then the notice must state the name of the employer and the divisions that are covered under the specific risk policy. The specific risk carrier shall notify the agency when the specific risk carrier receives a change of address for the employer.

History: 1980 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.42b Termination of insurance; specified construction site insurance policy.

Rule 12b. (1) A notice of termination for coverage of an employer under an insurance policy covering the specified construction where the cost of construction will be more than \$65,000,000.00 and the contemplated completion period will be 5 years or less, must be reported to the agency on form WC-401A, notice of termination of liability for employer under specific risk policy.

(2) The insurer shall mail a copy of the notice to the employer. If the employer is a partnership, then the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, then the notice must state the assumed name and the names of all parties doing business under the assumed name. If the employer is a corporation doing business under a number of divisions, then the notice must state the name of the employer and the divisions of the corporation covered by the termination. If the business changes names, then notice must be given stating both the new and former names. Notice of termination of a policy that has expired may not be reported when the specific risk carrier has accepted responsibility under a further or renewal policy, except for an assured's name change. The termination notice must be filed with the agency at Lansing, Michigan, not less than 20 days before the effective date of any termination or cancellation of the policy with respect to the employer. The notice must give the date of termination or cancellation of the contract or policy with respect to the employer. Termination or cancellation of the specific risk policy takes effect, with respect to the employees of the insured employer, 20 days after notice of a proposed termination or cancellation is received by the agency.

History: 1980 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43 Employer self-insured application; combinable entities.

Rule 13. (1) An employer who applies for the authority to become an individual self-insurer shall apply to the agency on form WC-402, or its electronic equivalent.

(2) The initial and annual renewal application must contain answers to all questions, shall include all requested supporting information, as directed, and be sworn to by an authorized representative of the employer whose signature is notarized.

(3) Separate legal entities may be self-insured under a single authority if they are majority-owned by the self-insured entity submitting the application or if the same person or group of persons owns a majority interest in each entity on a single application. "Majority interest" of a corporation means ownership of a majority of the voting stock or authority to appoint a majority of directors, if there is no voting stock. "Majority interest" of a partnership means majority partnership interest by the same person or group of persons. "Majority interest" in a limited liability company means majority member ownership by the same person or group of persons.

History: 1979 AC; 1980 AAC; 1984 AAC; 1998-2000 AAC; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43a Employer individual self-insurer; surety bond or letter of credit; consideration of employer in business less than 5 years; excess liability insurance; required guaranties; claims service companies; self-administered claims.

Rule 13a. (1) A nonpublic self-insurer may be required to furnish a surety bond or letter of credit. The agency will establish the amount of security at the time of initial application. The agency shall review the adequacy of security periodically. The agency shall prescribe the format and language of the bond or letter of credit. The agency shall accept surety bonds only from a surety writer authorized to transact security bond business in Michigan. A surety bond must provide for 60 days' notice of cancellation to the agency. Letters of credit are administered under R 408.43q.

(2) An employer that is in business less than 5 years may not be considered for self-insured authority unless its worker's disability compensation liability will be guaranteed by a parent corporation or combinable affiliated entity that has been in business not less than 5 years and that would qualify for self-insured authority in Michigan.

(3) The agency shall require specific excess liability insurance, with policy limit and retention acceptable to the agency, for every self-insured employer, unless the agency, at its discretion, waives the requirement. The agency may require aggregate excess liability insurance as a condition of approval for a self-insured employer. Specific and aggregate excess liability insurance policies are accepted under R 408.43k.

(4) Parent corporations shall guaranty all liability incurred by their self-insured subsidiaries under the act, unless the agency, at its discretion, waives the requirement. The agency shall prescribe the form and substance of the guaranties. The agency may require employers, combinable under a single self-insured authority, to execute workers' disability compensation payment guaranties as a condition for approval of the self-insured authority. The agency shall prescribe the form and substance of the guaranties.

(5) A self-insurer approved under section 418.611(1)(a) of the act, MCL 418.611, shall contract with a claims service company approved by the agency under R 408.43m. The agency may approve a self-insurer to self-administer claims if the employer has all necessary systems, processes, and reporting capabilities and can demonstrate it has employed competent claims personnel with Michigan workers' compensation adjusting experience.

History: 1980 AAC; 1998-2000 AAC; 2007 AAC; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43b Employer individual self-insurer; compliance with agency requirements; notice; additional time; certification; renewal application.

Rule 13b. (1) If the agency approves an initial application of an employer to be an individual self-insurer, then the approval must be in writing. The approval letter must contain the excess liability insurance terms, bond, letter of credit, and guaranties required by the agency as a condition of the self-insured authority. The employer has 30 days from the receipt of the agency's notice in which to comply with the requirements of the agency. The self-insured authority may not become effective until the agency has received proof that all requirements of the agency for self-insured authority have been met.

(2) The employer may, at the discretion of the agency, be granted additional time to meet the requirements for the self-insured authority. An employer shall make a request for an extension of time in writing within the 30-day compliance period. If the agency does not receive proof that all requirements for the self-insured authority have been met within the time prescribed, then the application is considered withdrawn.

(3) The agency will issue a letter certifying self-insured authority to the employer when the employer meets the requirements of the agency. The self-insured authority for all approved employers expires on the designated renewal date, which may not be more than 12 months from the effective date of the authority. A self-insured employer shall submit a renewal application (form WC-402R), or its electronic equivalent, and requested documents, including a current financial statement and loss information, to the agency 30 days before the expiration of the self-insured authority. Upon receipt of a renewal application, the authority is extended until denied or approved for an additional 12 months.

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History: 1980 AACs; 1998-2000 AACs; 2013 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43c Financial, loss experience and liability exposure analysis; notice of denial or termination.

Rule 13c. (1) The agency may decline to approve an application for, or may terminate the self-insured authority, if an employer is unable to demonstrate a position of reasonable solvency and the ability to pay benefits as prescribed in the act. The agency analysis of each nonpublic employer application shall include a review of the employer's financial position and operating results. Standard financial ratio analysis and comparison to similar industry statistical data will be considered in the financial position analysis. Other information relevant to the applicant's financial ability, including, but not limited to, the following, will be considered:

- (a) The historical operating results.
- (b) Evaluation of financial trends.
- (c) Banking relations.
- (d) Contingent liabilities.
- (e) Pending litigation.
- (f) Corporate guaranties.
- (g) Management team continuity and experience.
- (h) General and specific industry economic conditions.
- (i) Legal structure.

(2) The agency's analysis of the employer's loss experience and liability exposure shall include, but is not limited to, the following:

- (a) Claims for not less than 3 policy years broken down by paid, reserve, and total incurred amounts.
- (b) Number of employees.
- (c) Payroll code classifications.
- (d) Excess liability insurance policy terms.

(3) The agency shall mail notice of a denial or termination of self-insured authority to the employer. The notice must include the grounds for denial or termination. The employer may request a hearing in accordance with section 611(5) of the act, MCL 418.611, and R 408.43n.

History: 1980 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43d Group self-insurers; application.

Rule 13d. Application for group coverage, as contemplated in section 611 of the act, MCL 418.611, for the express purpose of establishing a group self-insurers' fund, to be administered under the direction of an elected board of trustees and to provide workers' compensation coverage for a group of private employers in the same industry or for public employers of the same type of unit, must be made to the agency. The application must be made on a form prescribed by the agency and shall contain answers to all questions. Answers must be given under oath.

History: 1980 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43e Group self-insurers; new and renewal application requirements.

Rule 13e. (1) A new application, as submitted by the initial board of trustees of the self-insurer's fund, must be accompanied by all of the following:

- (a) A copy of the approved bylaws of the proposed group self-insurers' fund.
- (b) A copy of the original individual member application approved by the board of trustees for each member of the group applying for coverage in the fund.
- (c) A current financial statement of each member of a private self-insurers' group that, taken collectively, shows both of the following:
 - (i) The combined net assets of all members applying for coverage on the inception date of the fund, which may not be less than \$1,000,000.00.
 - (ii) Working capital, which must be in an amount that establishes the financial strength and liquidity of the business.
- (d) A composite listing of the estimated standard premium to be developed by each member of the group individually and in total as a group.
- (e) Proof of payment by each member of not less than 25% of the estimated annual standard premium into a designated depository.
- (f) An excess insurance policy that is issued by an authorized carrier in an amount acceptable to the agency and complies with the requirements set forth in R 408.43k.
- (g) A copy of a signed service agreement that designates an approved service company.

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- (h) A copy of the current contract or agreement between the trustees and the administrator if one is used.
- (i) Proof of a fidelity policy in a form and amount acceptable to the agency.
- (j) If required, a surety bond written by an authorized carrier or other security in a form and amount acceptable to the agency.
- (k) In the case of a private employer's group, an indemnity agreement jointly and severally binding the group and each member of the group to comply with the provisions of the act. The indemnity agreement must conform to an indemnity agreement as approved by the agency.
- (l) A breakdown of all rates by code classification that will be used by the group fund to develop final audited premium, including an exhibit that shows all administrative expenses as a percentage of estimated final audited premium and loss fund developed under the aggregate excess contract as a percentage of final audited premium.
- (m) The trustees shall provide proof, satisfactory to the agency, that the annual gross premiums of the fund will be not less than \$500,000.00.

The premium collected from each member must be based upon applying the appropriate manual rates per payroll code classification as approved by the agency and the excess carrier. The premium collected from each participant in a group self-insurance program must be adjusted by an experience modification formula approved by the agency. The total premium collected from all participants must be sufficient to fund the loss fund developed under the excess insurance contract and the total administrative expenses of the group fund. A written excess insurance policy must confirm that the rate structure proposed by the aggregate excess insurer will be used by the group fund to develop the loss fund under the aggregate excess contract. The loss fund shall be 75% of final audited premium or as approved by the agency.

- (n) Proof, satisfactory to the agency, must be provided to prove that the fund has, within its own organization, ample facilities and competent personnel to service its own program with respect to underwriting matters and loss control services or the fund shall contract with an approved service company to provide the services. An approved service company must be used to handle claims adjusting and reporting of loss data to the agency.
- (2) Each group fund shall submit a renewal application to the agency 30 days before the expiration of the self-insurance privilege, together with the terms of renewal for the excess insurance contract. Upon receipt of the renewal application, the self-insurance privilege is extended until it has been acted upon by the director. The application must be accompanied by all of the following:
 - (a) Evidence of the financial ability of the group to meet its obligations under the act.
 - (b) Confirmation of an excess insurance policy that is issued by an authorized carrier in an amount acceptable to the agency and complies with the requirements set forth in R 408.43k. With the approval of the director and after meeting all requirements the director imposes, a group self-insurance fund may use a letter of credit in place of aggregate excess insurance if the fund gives the agency 6 months' notice of its intent to use a letter of credit.
 - (c) A copy of a signed service contract that designates an approved service company, which provides for claims administration and reporting of loss data to the agency, and which may include underwriting and loss control services, unless approval has been granted to self-administer claims.
 - (d) Proof of a fidelity policy in a form and amount acceptable to the agency.
 - (e) A breakdown of all rates by code classification that will be used by the group fund to develop final audited premium. If aggregate excess insurance is required by the agency, the rates used by the fund to develop final audited premium must be the rates used by the aggregate excess insurer and shall be included as an exhibit to the aggregate excess insurance policy. In addition, an exhibit that shows all administrative expenses as a dollar amount and a percentage of estimated final premium and the loss fund developed under the aggregate excess contract as a percentage of final audited premium must be provided.
 - (f) A copy of the current contract or agreement between the trustees and the fund administrator, if one is used.
 - (g) Proof provided by the trustees that the premium collected from each member is based upon applying the appropriate manual rates per payroll code classification as approved by the agency and the excess insurance carrier or consulting actuary. Each member's premium must be experience rated. The experience modification formula must be approved by the agency. The total premium collected from all participants must be sufficient to fund all administrative expenses and the estimated loss fund developed under the excess insurance contract. The loss fund must be 75% of final audited premium or as approved by the agency. If a letter of credit is used in place of aggregate excess insurance, the fund shall collect sufficient premiums to fund the ninetieth percentile confidence level of losses, as calculated by a consulting actuary, and all administrative expenses. If a public employer group fund operates with specific excess insurance only, the fund shall collect sufficient premiums to fund the ninetieth percentile confidence level of losses, as calculated by a consulting actuary, and all administrative expenses of the fund.
 - (h) If the fund intends to provide underwriting and loss control services, the fund shall provide proof that the fund has ample facilities and competent personnel to service the programs.

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(i) If the fund requests approval to self-administer claims, then all of the following must be provided:

(i) Proof that the fund has been in operation not less than 5 years.

(ii) Proof that the fund has annual collected premium of more than \$10,000,000.00.

(iii) A written document in which the fund agrees to all of the following provisions:

(A) The fund will demonstrate that the estimated cost of self-administration of the claims program will be fully funded by premium collections.

(B) The fund will demonstrate that it has ample facilities and competent staff, including licensed adjusters with workers' compensation qualifications under chapter 12 of the insurance code of 1956, 1956 PA 218, MCL 500.1200 to 500.1247, who will be handling the workers' compensation claims.

(C) That the claims-handling function will be subject to an annual independent audit of all established cases and operational processes. The independent auditor will meet guidelines established by the agency.

(D) That annually, the fund administrator will provide a written assertion to the fund's independent certified public accountant that the fund's claim-paying function maintains an effective internal control structure over financial reporting as of the fund's fiscal year end. The fund's independent certified public accountant shall issue a report on the administrator's assertion in accordance with statements on standards for attestation engagements No. 2 (SSAE#2), as amended.

(E) The group fund will furnish loss data in a form acceptable to the agency and the excess carrier.

(F) That failure to provide accurate and timely payment of claims or failure to meet the requirements of self-administered claims may result in termination of approval to self-administer claims.

(G) That the excess insurer will provide documentation of its approval of the group fund's self-administration of claims.

History: 1980 AACCS; 1984 AACCS; 1996 AACCS; 1997 AACCS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43f Group self-insurance; same industry requirement; approval; review; certificate.

Rule 13f. (1) After considering an application for group self-insurance and all supportive data, the agency shall either grant approval or advise the trustees of the self-insurers' group of the requirements to be met before approval is granted. In determining whether private employers are in the same industry, the agency may use the standard industrial classification codes assigned to each employer applying for membership in the group. The agency shall also consider all information available on the nature of the business of each private employer and may require the group fund to present additional evidence, either oral or written, to verify that all employers applying for membership in the group fund meet the statutory requirement of being in the same industry. The group has 30 days from the receipt of the agency's notice to comply with the requirements of the agency. The self-insured authority may not become effective until the agency has received proof that all requirements of the agency for self-insured approval have been met.

(2) The group may, at the discretion of the director, be granted additional time to meet the requirements for the self-insured program. A request for an extension of time must be made in writing by the group within the 30-day compliance period. If the agency does not receive proof that all requirements for the self-insured program have been met within the time prescribed, the application is considered withdrawn.

(3) On new and renewal applications, the agency may require evidence that the proposed rate for each payroll classification is adequate to cover expected losses for that payroll classification and evidence that the experience rating formula will be actuarially sound. The agency shall take all of the following factors into account before granting approval for a group self-insurance program:

(a) Past and anticipated losses.

(b) Proper reserves for reported and unreported losses.

(c) Past surplus and expected increase in benefit levels.

(d) Administrative costs.

The agency may contract with a consulting actuary, at the expense of the group fund, to determine if the proposed group self-insurance program will be actuarially sound.

(4) Upon meeting the requirements of the agency, the group shall receive a formal certificate approving its status as a self-insurer. The certificate expires 12 months after the effective date of approval.

History: 1980 AACCS; 1984 AACCS; 1996 AACCS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43g Group self-insurers' admission of new members; termination of individual members; notice; records.

Rule 13g. (1) After the inception date of the fund, prospective new members of the fund shall submit an application for membership to the board of trustees, or its designated representative, on a form approved by the agency. The board of trustees or its designated representative may approve the application for membership pursuant to the bylaws of the group self-insurers' fund. A copy of the original signed application for membership must then be filed with the agency in Lansing. Membership takes effect after approval by the agency.

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(2) After a group fund has completed 1 year of operation, application may be made to the director to authorize the group fund to accept new members without prior agency approval. The application must be submitted on forms provided by the agency and shall define all businesses that will be accepted in the same industry within the group. The application must define the financial standards that will be applied by the group in accepting new members.

(3) If approved, the group shall submit confirmation of membership to the agency on form WC-650, or its electronic equivalent, group self-insurance fund notice of acceptance of membership, together with a copy of the individual membership application and the financial report provided by the member. If the employer is a partnership, the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, the notice must state the assumed name and each Michigan location covered. If the employer is a corporation doing business through a number of divisions, the notice must state the names of all the divisions of the corporation. The agency must be notified when any group fund receives a change of address of a member.

(4) Individual members may elect to terminate their participation in a group self-insurers' program or be subject to cancellation by the group pursuant to the bylaws of the group fund. However, termination or cancellation may occur not less than 20 days after the agency has received notice of the termination or cancellation from the group fund reported to the agency on form WC-651, or its electronic equivalent, group self-insurance fund notice of termination of membership. If the employer is a partnership, the notice must state the names and addresses of all the partners. If the employer is doing business under an assumed name, the notice must state the assumed name and the names of all parties doing business under the assumed name. If the employer is a corporation doing business under a number of divisions, the notice must state the names of all the divisions of the corporation. If a business changes names, notice must be given stating both the new and former names.

(5) The chairman of the board of trustees or, at the chairman's designation, the administrator shall be responsible for maintaining all records of the fund. The fund shall maintain all of the following documents, or their electronic equivalents, with respect to records:

- (a) Forms WC-100, 101, 102, WC-701, and WC-107.
- (b) Redemption papers.
- (c) Excess workers' compensation policies.
- (d) Spreadsheets containing premium audit summaries.
- (e) Contracts with the group's claims service and administrator.
- (f) A complete set of claim loss runs as of the end of each fiscal year.
- (g) Certified audit reports.
- (h) Minutes of trustee and annual meetings.
- (i) Group renewal applications and related documents.
- (j) Individual membership applications containing signed indemnity agreements.

The records must be retained for not less than 30 years and the administrator or board of trustees shall know the location of the records at all times. All records of the fund are the property of the fund. If the records are held by the funds service company, the records must immediately be surrendered to the fund upon the fund's request.

History: 1980 AACs; 1984 AACs; 1996 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43h Group self-insurance; reports and filings.

Rule 13h. (1) The group shall make all reports and filings required of carriers by the act. In addition, the group fund shall comply with all of the following provisions:

- (a) The financial position of the group fund shall be reported, by the trustees or their designated representative, on a quarterly basis for each open fund year. The report is due within 30 days after the quarter ends.

The format for the report may be prescribed by the agency. A fund year is considered open as long as there are unsettled claims. The annual financial statements must be audited by a certified public accountant and filed with the agency within 180 days after the fund year ends.

If a fund ceases to provide coverage on an ongoing basis, annual audited financial statements must be provided to the agency within 180 days of the end of the fund's fiscal year.

- (b) The fund shall file summary loss data, in a manner prescribed by the agency, on each fund year within 30 days after the evaluation date. Losses must be evaluated on a monthly basis or as required by the agency.
 - (c) The fund shall file a copy of the minutes of all trustee meetings with the agency within 30 days after the meeting.
 - (d) The fund shall provide reports or filings on payroll audits, investments, experience rating, or any other information concerning the group fund upon specific request of the agency.
 - (e) An authorized representative of the fund shall sign all financial reports and minutes submitted.
- (2) A fund that fails or refuses to file the reports specified in this rule within the time limits prescribed may be notified that

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its authority to be self-insured will be terminated. If a fund's authority is terminated, then the fund must be notified of the grounds for termination. The fund may request a hearing in accordance with R 408.43n.

History: 1980 AACs; 1984 AACs; 1996 AACs; 1997 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43i Group self-insurer's fund; board of trustees' power and duties; investment restrictions.

Rule 13i. To ensure the financial stability of each group self-insurers' fund, a board of trustees of each fund is responsible for all operations of the fund. A board of trustees is a group of members elected by the membership of the fund for stated terms of office. The majority of the trustees must be owners or employees of members of the self-insurers' fund, but a trustee may not be an owner, officer, or employee of a service company. The board of trustees of each fund shall take all necessary precautions to safeguard the assets of the fund, including all of the following:

- (a) Designate a trustee as administrator or, in the alternative, hire an employee or designate an individual to act as the group fund administrator. The trustees may delegate to the administrator the duties they determine proper. The duties may include, but are not limited to, advising the board with regard to any of the following:
 - (i) Contracting with a service company.
 - (ii) Determining the premium charged.
 - (iii) Investing surplus money, subject to the restrictions set forth in this rule.
 - (iv) Accepting applications for membership. However, the board of trustees remains the responsible party for the operation of the fund. The duties delegated to the administrator and all compensation to be paid to the administrator must be reduced to writing, and a copy provided to the agency with each annual group renewal application. The group fund administrator may not be an owner, officer, or employee of a service company. The trustees shall purchase a fidelity policy covering the fund trustees, administrator, employees of the fund, and the service company in an amount sufficient to protect the assets of the fund. A copy of the fidelity policy will be provided to the agency with each annual renewal.
- (b) Limit disbursements to payment and expenses of handling claims and administrative expenses necessary for operating the fund. The board of trustees shall also establish necessary accounts and accounting procedures for control and accurate financial reporting. Established accounting procedures must provide accurate financial information for each open year individually with respect to revenue and expense until the year is closed out. The board of trustees shall maintain, and be responsible for, all records and documents relating to the formation and ongoing operation of the group self-insurance fund. If the board of trustees does not maintain the records in a responsible manner and in accordance with these rules, then the self-insured approval of the fund may be terminated by the director.
- (c) Audit the accounts and records of the fund annually or at any time required by the agency. Audits must be made by certified public accountants or by authorized representatives of the agency. The agency reserves the right to prescribe the type of audits to be made and the uniform accounting system to be used by the self-insurers' fund to enable the agency to determine the solvency of the group self-insurers' fund. Copies of financial audits prepared by certified public accountants must be filed with the agency in Lansing within 180 days after the close of the fund year. Claim reserve audits used in support of surplus distribution requests must be performed by auditors who meet the requirements of the agency relating to independence, report content, and timing.
- (d) Not extend credit to individual members for payment of premium.
- (e) Apply a penalty rate in excess of the normal premium to any risk that has unfavorable loss experience, if the member and the agency are notified in writing before the effective date of the change in rates.
- (f) Not utilize any of the money collected as premiums for any purpose unrelated to workers' compensation. Further, the board of trustees shall not borrow any money from the fund or in the name of the fund without advising the agency of the nature and purpose of the loan and obtaining agency approval. The board of trustees may, at its discretion, invest any surplus money not needed for immediate cash needs, but the investments shall be limited to United States government bonds, United States treasury notes, United States government agency issues, United States government-sponsored enterprises, investment share accounts in any savings and loan association and credit unions that have their deposits insured by a federal agency, and certificates of deposit issued by a duly chartered commercial bank. Deposits in savings and loan associations, credit unions, and commercial banks must be limited to institutions in this state and may not exceed the federally insured amount in any 1 account, except that the federally insured amount in any 1 account in a commercial bank may be exceeded if the account amount involved does not exceed either of the following factors:
 - (i) Five percent of the combination of surplus and undivided profits and reserves as currently reported for each bank in the state in the banking division annual report of the office of financial and insurance regulation.
 - (ii) Five hundred thousand dollars per institution. A group self-insurance fund shall not invest in mutual funds, except that investments in money market mutual funds of short-term duration which invest only in government agency issues, government-sponsored enterprises, and government bills, bonds, and notes are allowed for short-term cash investment needs. As used in this paragraph, "short-term duration" means 180 days or less.

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- (g) The board of trustees of a group self-insurance fund, subject to the limitations set forth in subdivisions (h), (i), and (j) of this subrule, may, in its discretion, and upon contracting with a bank trust department or with a professional investment advisor registered with the securities and exchange commission under the investment advisors act of 1940, 15 U.S.C. '80B-3, invest money not needed for immediate cash needs in corporate bonds and municipal bonds and common and preferred stock.
- (h) Limit the combined holdings of corporate and municipal bonds to not more than 45% of the market value of the available investment portfolio. Corporate and municipal bonds must be (A) rated or better by at least 2 nationally recognized rating services. Holdings in any 1 corporation or municipality may not be more than 5% of the total amount eligible for investment in corporate and municipal bonds as set forth in this subrule.
- (i) Of the 45% of the market value of the investment portfolio available for investment in municipal or corporate bonds, 45% may be invested in common or preferred stocks. Common or preferred stocks must be limited to publicly owned companies that trade on a United States regulated exchange. Mutual funds or bank pooled funds that invest in common or preferred stocks are permitted and must be calculated as part of the percentage of market value available for investment in common and preferred stocks.
- (j) Ensure that the professional investment advisor completes a compliance review of the investment portfolio on a quarterly basis. A copy of the investment review shall be provided to the fund and the agency within 30 days of the close of each quarter. The annual financial statements must be audited by a certified public accountant and shall include a certification as to whether the fund has complied with the requirements for investments. Failure to report on investments as required by this rule may result in withdrawal of the authority to invest in corporate and municipal bonds or common and preferred stocks, or both.
- (k) Any group fund found to have investments in vehicles other than as provided by this rule has 30 days or a time period approved by the director to divest themselves of the investments. Failure to meet the divestiture requirement may subject the fund to further sanction by the director.

History: 1980 AACs; 1984 AACs; 1996 AACs; 1997 AACs; 2003 AACs; 2007 AACs; 2013 AACs; 2015 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43j Group self-insurers' funds; advance premium discounts; surplus money; surplus investment income and premiums; unfunded claims.

Rule 13j. (1) The trustees of any group self-insurers' fund shall not authorize advance premium discounts to any member in excess of those authorized by the excess insurance underwriter and approved by the agency. If discounts are approved by the excess carrier and the agency, the excess carrier shall agree to base the loss fund on the premium collected after discount.

(2) Any surplus money for a fund year in excess of the amount necessary to fulfill all obligations under the act for that fund year, including a provision for claims incurred but not reported, may be declared to be refundable by the trustees at any time, and the amount of the declaration is a fixed liability of the fund at the time of the declaration. The date of payment is as agreed to by the trustees and the agency, except that money not needed to satisfy the loss fund requirements, as established by the aggregate excess contract, may be refunded immediately after the end of the fund year with the approval of the agency. The intent of this rule is to ensure that sufficient money is retained so that total assets are greater than total liabilities for each fund year.

(3) If premiums collected and earned investment income associated with any fund year are insufficient to completely fund all reported claims and expenses for that year, unfunded amounts, by fund year, must be reported immediately to the agency with the proposed plan to achieve 100% funding. The plan to achieve 100% funding for all claims is subject to agency approval. A plan may include, but is not limited to, all of the following:

(a) Use of premiums collected in other fund years, but not necessary for payment of claims or expenses in the year collected.

(b) Use of investment earnings associated with other fund years, but not necessary for payment of claims or expenses in the year in which associated.

(c) Assessment of members by order of the agency.

(4) The agency may allow investment income earned by a group self-insurance fund during a calendar year to be returned to the fund membership without prior agency approval if the fund trustees provide all of the following documentation:

(a) Certification, to the agency, in the form of a letter from a certified public accountant, attesting to the amount of investment income earned during the calendar year.

(b) Certification to the agency, by the board of trustees, of the amount of the investment income and of the employers to whom the investment income is to be distributed.

(c) Certification by the board of trustees and the group's certified public accountant that, after the distribution of

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investment income, the aggregate retention in the current fund year, as determined by the group's excess insurance carrier, and all administrative expenses will be fully funded.

(d) If the fund operates with specific excess insurance only or a letter of credit in place of aggregate excess insurance, the board of trustees and the group's certified public accountant shall certify that, after the distribution of investment income, ultimate loss, as calculated by a certified actuary at a 90% confidence level, and all administrative expenses will be fully funded.

(e) Certification by the board of trustees and the fund's certified public accountant that the fund's financial statements are not discounted and do not consider the time value of money.

The information specified in subdivisions (a) to (e) of this subrule must be received by the agency not earlier than December 1, and not later than December 31, of the calendar year in which the investment income is earned and is to be distributed. If the information specified in this rule is not received by the agency in a timely manner, then the agency may withdraw the fund's privilege of returning investment income to fund members without prior agency approval.

History: 1980 AACs; 1984 AACs; 1996 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43k Aggregate excess liability insurance; specific excess liability insurance; individual self-insurer; group self-insurer.

Rule 13k. The agency shall not recognize a policy of aggregate or specific excess liability insurance in considering the ability of a self-insurer to fulfill its financial obligations under the act, unless the policy is issued by a casualty insurance company authorized, as defined in section 108 of the insurance code of 1956, 1956 PA 218, MCL 500.108, to transact such business in this state. The policy must comply with all of the following provisions unless specifically waived by the agency. Policies issued that do not comply with all provisions of this rule may be considered grounds for termination of the employer's self-insured authority.

(a) The policy may not be cancelable or nonrenewable unless written notice, sent by courier, registered mail or certified mail, is given to the other party to the policy and to the agency not less than 60 days before termination by the party desiring to cancel or not renew the policy.

(b) The policy may not contain endorsements, provisions, or terms that increase the named insured or insureds retentions or increase the amount that must be paid by the named insured or insureds beyond the retentions reported on the declarations page of the policy and the Michigan certificate of specific/aggregate excess liability insurance. This provision does not apply to customary policy language that may call for increased payments by the insured or insureds for failure to act or abide by a policy provision.

(c) A policy that has any type of commutation clause must provide that any commutation effected under the policy may not relieve the casualty insurance company of further liability with respect to claims and expenses unknown at the time of the commutation or in regard to any claim apparently closed at the time of initial commutation that is subsequently reopened by or through a competent authority. If the casualty insurance company proposes to settle its liability for future payments payable as compensation for accidents occurring during the term of the policy by the payment of a lump sum to the employer, to be fixed as provided in the commutation clause of the policy, then the casualty insurance company or the company's agent shall give the agency not less than 30 days' prior notice of the commutation. Notice must be by courier, registered mail, or certified mail. If any commutation is affected, then the agency has the right to direct that the sum be placed in trust for the benefit of the injured employee or employees entitled to future payments of compensation.

(d) The policy must state that if a private self-insured employer becomes insolvent and is unable to make compensation payments and the self-insurers' security fund may have responsibility for making payment under section 537 of the act, MCL 418.537, then the excess insurance carrier shall make, directly to the claimants or their authorized representatives, payments as would have been made by the excess insurance carrier to the employer after it has been determined that the retention level has been reached on the excess liability insurance policy.

(e) The policy must state that 100% of the following payments must be applied toward reaching the retention level in the specific and aggregate excess liability policy:

(i) Benefit payments made by the employer as required in the act.

(ii) Benefit payments, as required in the act, that are due and owing to claimants of the employer.

(iii) Benefit payments made on behalf of the employer, as required in the act, by a surety under a bond or through the use of other security required by the director.

(iv) Payments made by the self-insurers' security fund.

(v) Usual and customary claims allocated loss adjustment expenses.

(vi) Payments made, as specified in paragraphs (i), (iii), (iv) and (v) of this subdivision, that are reimbursable by the specific excess liability policy may not be considered in reaching the aggregate excess liability retention.

(f) The policy must provide for 100% reimbursement of the following payments that exceed the retention levels as

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defined in the specific or aggregate excess liability policy:

- (i) Benefit payments made by the employer as required in the act.
- (ii) Benefit payments made on behalf of the employer as required in the act by a surety under a bond or through the use of other security required by the agency.
- (iii) Payments made by the self-insurers' security fund.
- (iv) Usual and customary claims allocated loss adjustment expenses.
- (g) Reimbursement is pro rata if multiple excess insurers insure the same self-insured for the same period. A request to waive a provision of this rule must be in writing and approved by the agency before a policy is issued. The carrier shall confirm issuance of an aggregate or specific excess liability policy on a form prescribed by the agency.

History: 1980 AACs; 1984 AACs; 1989 AACs; 1996 AACs; 1998-2000 AACs; 2007 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43m Servicing self-insured employers or groups; application; requirements; noncompliance.

Rule 13m. (1) An individual, partnership, limited liability company, or corporation that desires to engage in the business of providing 1 or more services for an individual self-insurer or a self-insurers' group shall apply to the agency before entering into a contract with the individual or group self-insurer and shall satisfy the agency that it has adequate facilities and competent staff with Michigan workers' compensation adjusting experience within the state to service a self-insured program in a manner that fulfills the employers' obligations under the act and the rules of the agency. Workers' compensation claims of Michigan individual or group self-insured employers shall be handled within the state of Michigan by its staff, except that the director, at his or her discretion, may permit an approved service company to handle the claims of a Michigan individual self-insurer outside of this state upon specific written request by the individual self-insurer and the service company. The request for permission must set forth documentation sufficient to the agency that claims will be handled pursuant to Michigan law, administrative rules, and agency policy. The director will respond to the request in writing, giving the reasons for denial, or if approved, the conditions of approval. The approval may be withdrawn by the director at any time based upon the failure of the service company or employer, or both, to comply with the conditions of the approval. Service may include claims adjusting, loss control services, underwriting, and the capacity to provide required reporting. Any individual, partnership, limited liability company, or corporation that provides claims adjusting or loss control services to an approved self-insured employer, where the self-insured employer has designated within its own organization an individual to be responsible to the agency for its claims program or loss control services, or both, shall not be considered a service company for purposes of this rule.

(2) An applicant shall apply to the agency for approval to act as a servicing company for self-insured employers or group funds on a form prescribed by the agency. The application must contain answers to all questions. An applicant shall give the answers under oath. The agency shall approve the application prior to the service company entering into a contract with an approved self-insurer. Approval to act as a service company for self-insurers is granted for a period of 1 year and is subject to renewal annually.

(3) If a service company seeks approval to service claims for self-insurers, then it shall submit proof that it has, within its organization at least 1 person who has the knowledge and Michigan workers' compensation adjusting experience necessary to handle claims involving the act. The service company shall attach a resume covering the principal person's background to the application of the service company. The principal individuals adjusting workers' compensation claims shall hold a current workers' disability compensation adjuster's license under chapter 12 of the insurance code of 1956, 1956 PA 218, MCL 500.1200 to 500.1247.

(4) If a service company seeks approval to provide underwriting service to self-insurers, then it shall submit proof that it has, within its organization or under contract on a full-time basis, at least 1 person who has the knowledge and experience necessary to provide underwriting services for workers' compensation excess liability insurance coverage. The service company shall attach a resume detailing the principal person's background to the application of the service company.

(5) If a service company seeks approval to furnish loss control services to self-insurers, then it shall submit proof that it has, within its organization or under contract on a full-time basis, at least 1 person who has the knowledge and background necessary to adequately provide loss control and health services.

(6) A service company shall maintain adequate staff in the state. The service company shall authorize staff to act for the service company on all matters covered by the act and the rules of the agency.

(7) A service company shall attach to the application a copy of its standard service agreement that it will enter into with self-insured employers or group funds. The service company shall certify, in writing, that the service agreement complies with the act and these rules. The service company shall certify, and include a provision in its standard service contract, which states that the contract provides for the handling of all claims with dates of injury or disease within the contract until conclusion of the claims, unless the service company is relieved by the agency, in writing, of

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the responsibility for handling claims. If the service contract calls for additional fees for any reason, then the service company shall clearly define the additional fees in the contract. For a service company to be relieved of the responsibility of handling claims to conclusion, the client, the previous service company, and the new service company shall sign a claims transfer agreement. The claims transfer agreement shall be completed on a form prescribed by the agency and shall include a written request made by the previous service company to be relieved of its claims handling responsibilities to the agency. A requesting company is relieved of its claims handling responsibility only after receiving a written response from the agency approving a request. The service company shall certify that it will report to the specific excess insurance carrier or aggregate excess insurance carrier, or both, and put the specific excess insurance carrier or aggregate excess insurance carrier, or both, on notice of all claims as required by the self-insurers' or group self-insurers' insurance policies. The standard service contract filed with the agency for approval and renewal of the service company authority must include language specifically stating that the service company is responsible for reporting to the excess insurance carrier. The agency may waive the reporting requirement upon written request to the agency. Any dispute involving late reporting of excess liability insurance claims and potential penalties must be reported to the agency immediately.

(8) A service company shall certify, and provide for in all service contracts, that all documents generated or prepared by the service company for the group or the individual self-insurer or any materials relating to an individual or group self-insurer held by a service company are the property of the individual or group self-insurer and must be surrendered to the individual or group self-insurer within 10 days of termination of the service contract, subject to written request by the individual or group self-insurer.

(9) Failure to comply with the provisions of the act constitutes good cause for withdrawal of the approval to act as a service company for self-insurers. The agency shall give 30 days' notice of withdrawal. The agency shall give the notice by certified or registered mail, served upon all interested parties.

History: 1980 AACs; 1984 AACs; 1996 AACs; 1998-2000 AACs; 2007 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43n Hearing before director; self-insured status, individual and group fund; group fund rates, membership applications, security requirements, and surplus refunds.

Rule 13n. (1) Upon receiving a notice of intent to deny or terminate self-insured status under section 611 of the act, MCL 418.611, a party may request a hearing before the director within 15 days of the mailing of the notice by the agency. Upon receiving a notice denying a request by a group fund for deviation from manual rates, denial of an individual membership application or security requirement, or a denial of a request for a refund of surplus, the group fund may request a hearing before the director within 15 days of the mailing of the notice by the agency.

(2) The director shall, by certified or registered mail, notify the appealing party of the date, time, place, and reasons for holding the hearing. The director shall mail the notice not less than 15 days before the hearing. If the intent to terminate self-insured status is based on the self-insurer's failure to maintain existing security requirements, then the notice must advise the self-insurer that proof of reinstatement of the security must accompany the request for hearing or the director may make a final decision on the termination without further hearing.

(3) If an appearance is made at a hearing, then it must be made in person by a duly authorized representative or by counsel.

(4) A person who has been served with a notice of hearing may, at his or her option, file a written statement before the date set for hearing or may appear at the hearing and present an oral statement and other evidence on the issues contained in the notice of hearing. When written briefs or arguments are presented, a copy must be served upon the director and other interested parties not less than 5 days before the date set for the hearing.

(5) If the person or persons who have requested a hearing fail to appear at a noticed hearing, the director may consider the request for a hearing as having been abandoned or, in his or her discretion, may proceed with a hearing of the case and may, on the evidence presented, make a decision.

(6) A hearing may not be adjourned or continued, except upon an order of the director.

History: 1980 AACs; 1996 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43o

Source: 1996 AACs.

R 408.43p

Source: 1980 AACs.

R 408.43q Irrevocable letter of credit; acceptance; requirements; payment of surety bond or letter of credit.

Rule 13q. (1) An irrevocable letter of credit may be accepted by the agency as other security for a self-insured program as

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provided by section 611(1)(a) of the act, MCL 418.611. The agency will retain discretion in each particular case to determine if the letter of credit is acceptable and if its language and format are satisfactory.

(2) Irrevocable letters of credit must be issued by a state-chartered bank, a federally chartered bank or foreign bank. Funds must be immediately payable on demand. The director may require confirmation of acceptable letters of credit from any state, federally or foreign chartered bank without state operations or branch services within this state. If a confirmation is required, it shall be by a State of Michigan chartered bank or federally chartered bank with Michigan branch operations and state that the confirming bank is primarily obligated on the letter of credit.

(3) An employer who elects an irrevocable letter of credit as other security for a self-insured program shall furnish a memorandum of understanding with the letter of credit, on a form provided by the agency, which affirms the employer's acceptance of all of the following requirements:

(a) A letter of credit is furnished to the agency instead of a surety bond as one of the requirements for approval of a self-insured program.

(b) The employer understands that the letter of credit is deemed automatically extended without amendment for 1 year from the expiry date or any future expiry date unless, 60 days before any expiry date, the agency is notified, by courier, or certified or registered mail, that the letter of credit shall not be renewed for any additional period.

(c) A policy of insurance or a surety bond of equal amount may be furnished at a later date as a substitute for the letter of credit if the policy of insurance or surety bond covers all claims that would have been covered by the letter of credit. All policies of insurance and surety bonds furnished as substitutes for letters of credit are subject to prior agency approval.

(d) The employer shall affirm that the irrevocable letter of credit in the amount requested by the agency is being offered with the understanding that if the agency receives notice that the letter of credit will not be renewed, then the agency, in its discretion, may, after 30 days from the date of receipt of the notice, call the proceeds of the letter of credit and deposit the proceeds in the state treasury. And further, if, in the judgment of the agency, the letter of credit is needed to cover any worker's disability compensation claims, then the proceeds of the letter of credit shall be called immediately and deposited in the state treasury for such purpose.

(e) If legal proceedings are initiated by any party with respect to payment of any letter of credit, then the proceedings shall be subject to Michigan courts and law.

(4) The agency shall not grant an effective date for a self-insured program until a completed letter of credit and the memorandum of understanding have been reviewed and accepted by the agency.

(5) If it is necessary for the director, under statute and agency rules, to call the bond or other security, then a trust must be established with the funds, unless the provider of the bond or other security elects to handle the claims directly and the agency approves. If a trust is established, the funds must be deposited in the state treasury and the state treasurer, as provided by section 551(8) of the act, MCL 418.551, is the custodian of the trust. The trustees of the trust are the trustees of the funds denominated in chapter 5 of the act, MCL 418.501 to 418.561, and also those who are appointed as trustees under section 511 of the act, MCL 418.511. The service company of the self-insured employer, if any, shall continue to perform in accordance with the terms of the employer's contract with the service company.

History: 1988 AACCS; 1998-2000 AACCS; 2007 AACCS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43r Public employer group funds; waiver of requirement for excess insurance.

Rule 13r. A public employer group fund may request a waiver of the requirement for excess insurance. The director may waive the requirement for excess insurance for a public employer group fund if the fund demonstrates that it has sufficient financial strength and liquidity to ensure that all obligations under the act shall be promptly met without the protection of an excess insurance policy.

History: 1987 AACCS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43s Group funds; insufficient funding; creation of trust; appointment of trustees.

Rule 13s. (1) If the plan to achieve full funding for payment of all claims and expenses of the self-insurers group pursuant to R 408.43j is not approved by the agency, then the agency may order the board of trustees of the self-insurers group to immediately assess the employer members of the group for the full amount of the deficiency or order that any surplus funds distributed to group members during the previous 12 calendar months from the date of discovery of the funding deficiency by the group fund be immediately returned, or both.

(2) If the agency determines that the self-insurers group ceases to provide ongoing and active coverage to its members or the requirements of this rule are not sufficient to secure all future liability established by the act, or both, then the agency may require additional assessment of the employer members of the group and request the director to create and establish the terms of a trust, at the expense of the self-insurers group, for the deposit and administration of any assessment received or all assets of the self-insurers group, or both. The trustees of the funds appointed under section 511 of the

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act, MCL 418.511, must be appointed trustees of the self-insurers group trust fund established under this rule.
History: 2003 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.43t

Source: 2006 AACs.

PART 4. MISCELLANEOUS

R 408.44 Attorney fees.

Rule 14. (1) The limitation in this rule as to fees applies to plaintiff's attorneys, including combined charges of attorneys who combine their efforts toward the enforcement or collection of any compensation claim.

(2) Reasonable expenses, as used in this rule, include all of the following:

(a) Fees for reports and depositions of doctors, vocational experts, and other experts incurred in the prosecution of the claim.

(b) Medical examination fees and witness fees.

(c) Any other medical witness fee, including the cost of a subpoena.

(d) Costs of subpoenas, and costs to obtain and copy medical and other records.

(e) The costs of court reporter services, transcripts, subpoena enforcement fees, and certified copies.

(f) Costs of travel to depose medical and vocational witnesses.

(g) Appeal costs.

(h) Other costs or expenses, or both, determined by a magistrate to be reasonable for the prosecution of the claim.

(3) In computing the fee, the total settlement includes all sums paid, or to be paid, to satisfy lienholders, purchase annuities, and fund medical care set-aside accounts.

(4) In a case where benefits are being voluntarily paid at time of redemption, and no application for mediation or hearing (WC-104a) is pending, the magistrate may approve an attorney fee of 15%, or less if requested by the attorney, of the balance recovered for, or for the benefit of, the plaintiff as provided in section 858(2) of the act, MCL 418.858.

(5) In a case tried to completion with proofs closed or compensation voluntarily paid after an application for mediation or hearing is filed, an attorney, before computing the fee, shall deduct from the accrued compensation the reasonable expenses incurred on plaintiff's behalf as defined in subrule (2) of this rule. The magistrate may approve an attorney fee of 30%, or less if requested by the attorney, of the balance recovered for, or for the benefit of, the plaintiff as provided in section 858(2) of the act, MCL 418.858.

(6) In a case involving a redemption of liability, where a form (WC-104a) is pending, the attorney, before computing the fee, shall deduct the reasonable expenses incurred on plaintiff's behalf from the total settlement. The fee that the magistrate may approve is as follows, or less if requested by the attorney:

(a) Cases alleging dates of injury before September 1, 1965, are subject to the rule as to attorney fees in effect before September 1, 1965.

(b) Cases alleging dates of injury between September 1, 1965, and the effective date of this amendment are subject to the rule in effect on the date of injury.

(c) Cases alleging dates of injury after the effective date of this amendment may be subject to attorney fees of all of the following:

(i) Twenty percent of the first \$100,000.

(ii) Fifteen percent of any amount more than \$100,000.

(7) In a case tried to completion with proofs closed but before a final order, after which there is a redemption of liability, the attorney, before computing the fee, shall deduct the reasonable expenses incurred on plaintiff's behalf as defined in subrule (2) of this rule from the total settlement. The total settlement in such redemptions includes the gross amounts of any partial payments made under section 862 of the act, MCL 418.862, if the redemption specifically includes a waiver of the right of reimbursement of such amounts from either the plaintiff or the second injury fund. The magistrate may approve an attorney fee of 20% of the balance, or less if requested by the attorney.

(8) A group disability or hospitalization insurance company that enforces an assignment given to it as provided in the act shall pay a part of the fee of the attorney who secured the compensation recovery in the same proportion that the group insurance company payments bear to the total compensation recovery upon which the attorney's fee is based.

(9) In the computation of attorney fees in a case decided by the workers' compensation appellate commission, the fee must be assessed on not more than 104 weeks of the period the matter was pending before the commission. All other weekly benefits due and owing for the period of appeal must be fully paid to the plaintiff. The limitation of fee applies only to weekly compensation.

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(10) Nothing in this rule precludes an award of attorney fees under section 315 of the act, MCL 418.315.

(11) If agreed upon by the plaintiff, survivor, party in interest or dependents in writing, the fees specified in this rule may apply to cases with earlier dates of injury.

History: 1979 AC; 1980 AACs; 1998-2000 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.45 Medical examination rehabilitation, and forensic vocational evaluation.

Rule 15. (1) Under circumstances prescribed by the director, a carrier, PEGSISF, first responder presumed coverage fund, or self-insurers' security fund shall report to the agency what provision has been made for rehabilitation on all cases for which a final WC-701, notice of compensation payments, has not been filed.

(2) When an employee consents to a request by the carrier, first responder presumed coverage fund, or a fund created in section 501 of the act, MCL 418.501; or is ordered by the agency to submit to a medical examination, forensic vocational evaluation, or rehabilitation; or undergoes any medical treatment related to the disability, the carrier, first responder presumed coverage fund, or a fund created in section 501 of the act shall pay the traveling expenses incidental to such examination, medical treatment, evaluation, or rehabilitation. The employee shall notify the carrier, first responder presumed coverage fund, or a fund created in section 501, in writing, of the mileage involved and other expenses. When an employee is examined at the request of the carrier, first responder presumed coverage fund, or a fund created in section 501 under the provisions of section 385 of the act, MCL 418.385, the expenses incidental to such examination or evaluation shall be paid in advance. The traveling expenses are those authorized in the state standardized travel regulations, except that when special transportation is medically required, payments must be made at actual cost. Reasonable transportation services may include those provided by an entity licensed under the limousine, taxicab, and transportation network company act, 2016 PA 345, MCL 257.2101 to 257.2153. The allowance for other expenses, if any, are those allowed by this state. The provisions of this rule do not apply to the first examination requested by the employer or insurer if all of the following conditions exist:

(a) An application for hearing is filed upon which no payment of compensation or medical expense has been made for 1 year before the date of filing.

(b) The employee's home at the time of filing the application for hearing is outside of this state.

(c) The citation to appear for examination is at a time reasonably close to the date of hearing so as to obviate the necessity of an additional trip on the part of the employee to attend the hearing.

History: 1979 AC; 1980 AACs; 1998-2000 AACs; 2014 AACs; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.45a Vocational rehabilitation.

Rule 15a. (1) The agency shall issue vocational rehabilitation provider approval for a period of 3 years. To maintain approved status at the expiration of the provider approval period, a provider shall re-apply by submitting a new form WC-502, or its electronic equivalent, within 90 days before the expiration date of the approval.

(2) Agency-approved vocational rehabilitation providers shall deliver services in a manner that is consistent with agency standards and guidelines, and that are within their professional scope of practice, certification, and licensure. Failure to maintain these standards is grounds for denial or revocation of approval.

(3) Under section 319 of the act, MCL 418.319, the director may, on his or her own motion, or upon receipt of an application from the employee or employer, refer the employee to an agency-approved vocational rehabilitation provider for an evaluation of the need for a vocational rehabilitation program and the kind of vocational rehabilitation program necessary to return the employee to a remunerative occupation commensurate with their prior wage earning capacity, which is the primary objective of vocational rehabilitation services. Vocational rehabilitation may include, but is not limited to, evaluation and assessment, counseling, development of the IWRP, job search, job development and placement, education, and retraining. Any expenses incurred under this rule are the responsibility of the carrier, PEGSISF, first responder presumed coverage fund, or self-insurers' security fund. If a party objects to the referral for a vocational evaluation within 28 days of mailing of the scheduling notice of the referral, the director or his or her deputy shall conduct a hearing on the matter.

(4) The director may extend the time of the vocational evaluation when there is medical documentation contraindicating the timing of the evaluation, an impending offer of reasonable employment, or other good cause shown by any party on an agency-approved form. A vocational evaluation or other components of the vocational rehabilitation process may be delayed or suspended upon the written stipulation of the employee and employer or carrier for any reason. The employer or carrier may delay or suspend if the case is in dispute and there has been no finding by a magistrate or the commission that the employee has a work-related disability under section 301(4)(a) or section 401(1) of the act, MCL 418.301 and 418.401.

(5) Upon completion of the vocational evaluation, the vocational counselor shall submit an initial evaluation report to the parties within 14 calendar days. If the evaluation recommends initiation of vocational rehabilitation services, including job search activities, training, or both, the following actions must take place:

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- (a) An IWRP must be provided to all parties for review within 28 days of completion of the vocational evaluation. All plans must comply with the agency's return-to-work hierarchy.
 - (b) In the absence of a dispute, the IWRP must be implemented by the vocational counselor within 28 days after submission to the parties for review.
 - (c) The IWRP must be reviewed and updated by the vocational counselor in concert with the injured worker every 91 days to determine completion status of short- and long-term objectives.
 - (6) The vocational counselor shall not implement IWRP recommendations beyond the initial evaluation without first securing funding for these services.
 - (7) When an employee consents to or is ordered by the agency to submit to a vocational rehabilitation evaluation, the carrier, PEGSISF, first responder presumed coverage fund, or self-insurers' security fund shall pay the traveling expenses incidental to such evaluation pursuant to R 408.45(2). Subsequent expenses related to vocational rehabilitation services provided to meet the objectives of the IWRP are also the responsibility of the carrier, PEGSISF, first responder presumed coverage fund, or self-insurers' security fund.
- History: 2021 MR 23, Eff. Dec. 10, 2021.

R 408.45b Vocational rehabilitation rules disputes.

Rule 15b. Any party may request a vocational rehabilitation hearing before the director or his or her representative, on form WC-104a or form WC-104c, application for mediation or hearing, or an electronic equivalent, and all the following provisions shall apply:

- (a) If the director, on his or her own motion, orders a rehabilitation program, then he or she shall notify all parties and, if requested by either party within 15 days, schedule a hearing.
 - (b) A hearing must be scheduled within a reasonable time, subject to the availability of the director or his or her representative and the parties involved. A request for a hearing must, at a minimum, contain all of the following:
 - (i) A brief statement of the question concerning rehabilitation.
 - (ii) If requested by the employer, a citation of the specific instances of the employee's failure to cooperate in the rehabilitation program or other objections related to a proposed or ordered IWRP.
 - (iii) If requested by the employee, the type of program requested and the reason for it or other objections related to a proposed or ordered IWRP.
 - (c) The director or his or her representative, after providing an opportunity to be heard, may issue orders regarding vocational rehabilitation consistent with the act and these rules including R 408.45a(4).
 - (d) Unless a request for review by the workers' disability compensation appeals commission is filed by a party within 15 days after the order of the director is mailed, the order shall stand as the order of the agency until further order of the director.
- History: 2021 MR 23, Eff. Dec. 10, 2021.

R 408.46 Application for silicosis, dust disease, and logging industry compensation fund and second injury fund benefits.

Rule 16. (1) An application for reimbursement of benefits from the silicosis, dust disease and logging industry compensation fund and second injury fund must be made on form WC-112, or its electronic equivalent, and sent to the principal office of the funds administrator.

- (2) A carrier believing that reimbursement may be due from the second injury fund under section 372 of the act, MCL 418.372, shall immediately notify the fund of the potential claim. The fund may then conduct an investigation of the personal injury and must have reasonable time to schedule medical examinations. If an application is filed with the agency, then the carrier shall add the second injury fund and the fund shall have the same rights as any other party defendant. The magistrate shall enter an order determining the liability of the carrier and the fund.
 - (3) If an employee files an application for a hearing under section 356(1) of the act, MCL 418.356, then the second injury fund is deemed a party in interest and must be named on the application filed by the employee or added by the carrier when it has knowledge that a claim is being filed under section 356(1) of the act, MCL 418.356. The fund shall have the same rights as a carrier in the proceedings.
 - (4) Reimbursement pursuant to the second injury fund, dual employment provision must be made on a quarterly basis. Reimbursement payments from all other funds must be made periodically every 6 months.
- History: 1979 AC; 1984 AACS; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.47 Extensions of time granted by the director.

Rule 17. The director or his or her authorized representative may grant extensions of time in which to comply with any rule as the director deems reasonable.

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History: 1979 AC; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.48 Compensation payments; calculation; payment.

Rule 18. (1) Pursuant to section 313(1) of the act, MCL 418.313, the calculation of federal income tax, federal insurance contribution act tax, and state income tax is based on the federal income tax schedule, federal insurance contribution act tax, and state income tax rate in effect on the applicable July 1 for which the after-tax weekly wage is determined. The state law in effect on the applicable July 1 is conclusive in the determination of the after-tax weekly wage for that calendar year.

(2) Weekly payments shall be made payable by check and mailed or electronically transferred directly to the injured employee or the injured employee's dependent, pursuant to subrule (3) of this rule. When the claimant is represented by counsel, the accrued compensation must be made payable by check to the person or persons entitled to compensation and mailed to the attorney representing the person or persons.

(3) Weekly compensation payments may be made by an electronic transfer when both of the following have occurred:

(a) The claimant consents to and authorizes in writing the use of electronic transfer payments. This authorization is on a claim-by-claim basis, and must include acknowledgement by the claimant that any amount received through electronic transfer into the claimant's account or the account of the claimant's dependent at a financial institution may be subject to attachment or garnishment.

(b) The electronic transfer is made by 1 of the following methods:

(i) Direct deposit or electronic transfer to the claimant's account or the account of the claimant's dependent at a financial institution.

(ii) Issuance of a debit card to the claimant or the claimant's dependent provided that the financial institution complies with all of the following:

(A) Allows the claimant to receive immediate payment in full at no charge.

(B) Allows at least 1 additional free transaction per pay period for any amount up to the balance accessible through the card.

(C) Fully and prominently discloses any fees and charges.

(D) Prohibits changes in fees or terms of services, as specified in subrule(3)(b)(ii)(F) of this rule to subrule (3)(b)(ii)(G) of this rule. Any other changes to the fees or terms of service may occur when the claimant has received a written notice of these fees at least 21 days prior to the change and the claimant has consented in writing to the change.

(E) Provides a method for the claimant to make an unlimited number of balance inquiries electronically or by telephone and without charge.

(F) Prohibits a link to any form of credit, including a loan against future payments or a cash advance on future payments.

(G) Ensures that the debit card is negotiable at locations easily and readily accessible to the claimant.

(iii) Any other form of payments approved in advance by the director.

(4) A claimant, at any time, may make a request in writing to the employer to change the method of receiving weekly compensation payments established under this rule. The employer shall take no longer than 1 pay period to implement the change after he or she receives the request and any information necessary to implement the request.

History: 1979 AC; 1985 AACS; 2013 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

PART 5. REVIEW AND APPEAL

R 408.49 Determination of an employee.

Rule 19. If a business entity requests a determination by the director whether 1 or more individuals performing service for the entity in this state are in covered employment, under section 161(n) of the act, MCL 418.161, and Executive Reorganization Order 2019-3(7)(1)(5), MCL 125.1998, unless the issue is already pending before the board of magistrates, the director shall issue a determination of coverage of service performed by those individuals and any other individuals performing similar services under similar circumstances. The request must include the names and addresses of all those known to be impacted by the determination. The agency shall provide written notice to all identified individuals and provide an opportunity to be heard prior to making a determination. The business entity seeking the determination shall notify any carrier that might be impacted, and prominently post, at the business site, notice of any hearing on the request. Any decision rendered pursuant to this rule is not binding on an individual who did not receive notice or was not performing services for the business entity at the time of the closing of proofs.

History: 1979 AC; 1998-2000 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

R 408.50

Source: 1998-2000 AACS.

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R 408.51
Source: 1998-2000 AACS.

R 408.52
Source: 1998-2000 AACS.

PART 6. DEFINITIONS

R 408.59 Rescinded.
History: 1980 AACS; 1984 AACS; 2013 AACS; 2021 MR 23, Eff. Dec. 10, 2021.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

BUREAU OF CONSTRUCTION CODES

SKI AREA SAFETY – GENERAL RULES

R 408.61
Source: 2014 AACS.

R 408.62
Source: 2008 AACS.

R 408.65
Source: 2020 AACS.

R 408.66
Source: 1997 AACS.

R 408.67
Source: 2014 AACS.

R 408.68
Source: 1997 AACS.

R 408.69
Source: 1997 AACS.

R 408.70
Source: 2014 AACS.

R 408.71
Source: 1997 AACS.

R 408.75
Source: 2014 AACS.

R 408.76
Source: 2014 AACS.

R 408.77
Source: 1998-2000 AACS.

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R 408.78
Source: 1998-2000 AACS.

R 408.79
Source: 2014 AACS.

R 408.80
Source: 1998-2000 AACS.

R 408.81
Source: 2012 AACS.

R 408.82
Source: 2018 AACS.

R 408.83
Source: 1989 AACS.

R 408.90
Source: 2014 AACS.

R 408.91
Source: 1997 AACS.

R 408.92
Source: 1989 AACS.

R 408.94
Source: 1979 AC.

R 408.95
Source: 1979 AC.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL HEALTH STANDARDS COMMISSION

MINE SAFETY

R 408.121
Source: 1998-2000 AACS.

R 408.122
Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

ABANDONED AND IDLE MINES

R 408.171
Source: 1998-2000 AACS.

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R 408.172
Source: 1998-2000 AACS.

R 408.174
Source: 1998-2000 AACS.

R 480.175
Source: 1998-2000 AACS.

R 408.176
Source: 1998-2000 AACS.

R 408.177
Source: 1998-2000 AACS.

R 408.178
Source: 1998-2000 AACS.

R 408.179
Source: 1998-2000 AACS.

R 408.180
Source: 1998-2000 AACS.

BUREAU OF SAFETY AND REGULATION
EMPLOYMENT OF MINORS

R 408.201
Source: 1997 AACS.

R 408.202
Source: 1997 AACS.

R 408.203
Source: 1997 AACS.

R 408.204
Source: 1997 AACS.

R 408.205
Source: 1997 AACS.

R 408.206
Source: 1997 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
BUREAU OF SAFETY AND REGULATION
OCCUPATIONAL HEALTH STANDARDS COMMISSION
OXYGEN SUPPLY EQUIPMENT

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R 408.491

Source: 1998-2000 AACS.

R 408.492

Source: 1998-2000 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

OCCUPATIONAL HEALTH STANDARDS COMMISSION

HEARINGS

R 408.501

Source: 1998-2000 AACS.

R 408.502

Source: 1998-2000 AACS.

R 408.503

Source: 1998-2000 AACS.

R 408.504

Source: 1998-2000 AACS.

R 408.505

Source: 1998-2000 AACS.

R 408.506

Source: 1998-2000 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

WAGE AND HOUR DIVISION

GENERAL RULES

PART 1. GENERAL PROVISIONS

R 408.701

Source: 2019 AACS.

R 408.702

Source: 1998-2000 AACS.

R 408.703

Source: 1998-2000 AACS.

R 408.704

Source: 1998-2000 AACS.

R 408.705

Source: 1998-2000 AACS.

R 408.706

Source: 2019 AACS.

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R 408.711
Source: 2016 AACs.

R 408.712
Source: 2016 AACs.

R 408.713
Source: 2016 AACs.

PART 2. OVERTIME COMPENSATION

R 408.721
Source: 1998-2000 AACs.

R 408.722
Source: 1998-2000 AACs.

R 408.723
Source: 1998-2000 AACs.

R 408.724
Source: 1998-2000 AACs.

R 408.725
Source: 1998-2000 AACs.

R 408.726
Source: 1998-2000 AACs.

R 408.727
Source: 1998-2000 AACs.

R 408.728
Source: 1998-2000 AACs.

R 408.729
Source: 1998-2000 AACs.

R 408.730
Source: 1998-2000 AACs.

R 408.731
Source: 1997 AACs.

R 408.732
Source: 1997 AACs.

R 408.733
Source: 1998-2000 AACs.

R 408.734
Source: 1998-2000 AACs.

R 408.735
Source: 1998-2000 AACs.

WAGE DEVIATION

R 408.771
Source: 1983 AACS.

R 408.772
Source: 2016 AACS.

R 408.773
Source: 1983 AACS.

R 408.774
Source: 1983 AACS.

R 408.775
Source: 1983 AACS.

R 408.776
Source: 1983 AACS.

R 408.777
Source: 2019 AACS.

R 408.778
Source: 2019 AACS.

R 408.779
Source: 2016 AACS.

R 408.780
Source: 1983 AACS.

R 408.781
Source: 1983 AACS.

R 408.782
Source: 2016 AACS.

R 408.783
Source: 2016 AACS.

R 408.784
Source: 2016 AACS.

R 408.785
Source: 2019 AACS.

R 408.786
Source: 1983 AACS.

R 408.787
Source: 1983 AACS.

DIRECTOR'S OFFICE

CARNIVAL AND AMUSEMENT RIDES

PART 1. GENERAL PROVISIONS

- R 408.801**
Source: 2014 AACS.
- R 408.802**
Source: 2007 AACS.
- R 408.803**
Source: 2014 AACS.
- R 408.805**
Source: 1997 AACS.
- R 408.806**
Source: 2014 AACS.
- R 408.807**
Source: 1997 AACS.
- R 408.809**
Source: 1997 AACS.
- R 408.811**
Source: 1997 AACS.
- R 408.813**
Source: 2014 AACS.
- R 408.814**
Source: 2003 AACS.
- R 408.815**
Source: 1997 AACS.
- R 408.816**
Source: 1983 AACS.
- R 408.817**
Source: 1996 AACS.
- R 408.819**
Source: 2014 AACS.

PART 2. DESIGN, CONSTRUCTION, AND OPERATION

- R 408.821**
Source: 2014 AACS.
- R 408.822**
Source: 1997 AACS.
- R 408.824**
Source: 2014 AACS.

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R 408.825
Source: 2014 AACCS.

R 408.826
Source: 2014 AACCS.

R 408.827
Source: 2014 AACCS.

R 408.828
Source: 1983 AACCS.

R 408.829
Source: 1983 AACCS.

R 408.830
Source: 2014 AACCS.

R 408.831
Source: 1983 AACCS.

R 408.832
Source: 1983 AACCS.

R 408.833
Source: 2007 AACCS.

R 408.834
Source: 2003 AACCS.

R 408.835
Source: 1983 AACCS.

R 408.837
Source: 2003 AACCS.

R 408.838
Source: 2003 AACCS.

R 408.839
Source: 2014 AACCS.

R 408.839a
Source: 2003 AACCS.

R 408.841
Source: 2003 AACCS.

R 408.843
Source: 2003 AACCS.

R 408.844
Source: 2003 AACCS.

R 408.846
Source: 1983 AACCS.

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R 408.848
Source: 2014 AACCS.

R 408.849
Source: 2014 AACCS.

R 408.851
Source: 2014 AACCS.

R 408.852
Source: 2014 AACCS.

R 408.854
Source: 1983 AACCS.

R 408.856
Source: 2014 AACCS.

PART 3. PROCEDURES

R 408.871
Source: 2014 AACCS.

R 408.872
Source: 1983 AACCS.

R 408.873
Source: 2014 AACCS.

R 408.874
Source: 1983 AACCS.

R 408.876
Source: 2003 AACCS.

R 408.877
Source: 2014 AACCS.

R 408.881
Source: 2014 AACCS.

R 408.882
Source: 2014 AACCS.

R 408.883
Source: 2014 AACCS.

R 408.885
Source: 2014 AACCS.

R 408.886
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R 408.887
Source: 2014 AACCS.

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R 408.891
Source: 2014 AACS.

PART 4. PARTICIPATORY RIDES--GO-KARTS

R 408.891a
Source: 2014 AACS.

R 408.893
Source: 2014 AACS.

R 408.895
Source: 2014 AACS.

R 408.897
Source: 2014 AACS.

PART 4. PARTICIPATORY RIDES—GO-KARTS

R 408.891
Source: 2007 AACS.

R 408.891a
Source: 1998-2000 AACS.

R 408.893
Source: 1998-2000 AACS.

R 408.895
Source: 1998-2000 AACS.

R 408.897
Source: 1998-2000 AACS.

PART 5. SIGNS AND SAFETY WARNINGS

R 408.898
Source: 2003 AACS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

R 408.3901
Source: 2020 AACS.

R 408.3902
Source: 2020 AACS.

R 408.3903
Source: 2020 AACS.

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R 408.3904
Source: 2020 AACS.

R 408.3905
Source: 2020 AACS.

R 408.3906
Source: 2020 AACS.

R 408.3907
Source: 2020 AACS.

R 408.3911
Source: 2020 AACS.

BOILERS

PART 1. GENERAL PROVISIONS

R 408.4001
Source: 1979 AC.

R 408.4011
Source: 1998-2000 AACS.

R 408.4012
Source: 2013 AACS.

R 408.4013
Source: 1998-2000 AACS.

R 408.4015
Source: 1998-2000 AACS.

R 408.4017
Source: 1998-2000 AACS.

R 408.4019
Source: 1998-2000 AACS.

R 408.4021
Source: 1998-2000 AACS.

R 408.4023
Source: 1998-2000 AACS.

R 408.4024
Source: 2013 AACS.

R 408.4025
Source: 2013 AACS.

R 408.4026
Source: 2009 AACS.

R 408.4027
Source: 2013 AACS.

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R 408.4028
Source: 2006 AACS.

R 408.4029
Source: 1979 AC.

R 408.4031
Source: 2013 AACS.

R 408.4032
Source: 2013 AACS.

R 408.4033
Source: 2013 AACS.

R 408.4034
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R 408.4035
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R 408.4039
Source: 2006 AACS.

R 408.4043
Source: 1997 AACS.

R 408.4045
Source: 2006 AACS.

R 408.4047
Source: 2013 AACS.

R 408.4049
Source: 1981 AACS.

R 408.4051
Source: 1981 AACS.

R 408.4052
Source: 2002 AACS.

R 408.4053
Source: 1997 AACS.

R 408.4055
Source: 2013 AACS.

R 408.4057
Source: 2013 AACS.

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R 408.4058
Source: 2013 AACCS.

R 408.4059
Source: 2006 AACCS.

R 408.4061
Source: 1997 AACCS.

R 408.4063
Source: 1997 AACCS.

R 408.4065
Source: 2013 AACCS.

R 408.4067
Source: 2013 AACCS.

R 408.4069
Source: 2013 AACCS.

R 408.4071
Source: 1995 AACCS.

R 408.4073
Source: 2006 AACCS.

R 408.4075
Source: 1995 AACCS.

R 408.4077
Source: 2002 AACCS.

R 408.4079
Source: 1981 AACCS.

R 408.4081
Source: 1995 AACCS.

R 408.4087
Source: 2013 AACCS.

R 408.4089
Source: 1979 AC.

R 408.4091
Source: 2006 AACCS.

R 408.4093
Source: 2002 AACCS.

R 408.4095
Source: 1997 AACCS.

R 408.4096
Source: 2006 AACCS.

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R 408.4099
Source: 2002 AACs.

R 408.4101
Source: 2002 AACs.

R 408.4103
Source: 2006 AACs.

R 408.4105
Source: 1981 AACs.

R 408.4107
Source: 2013 AACs.

R 408.4109
Source: 2009 AACs.

R 408.4110
Source: 1997 AACs.

R 408.4111
Source: 2013 AACs.

R 408.4113
Source: 1997 AACs.

R 408.4114
Source: 2013 AACs.

R 408.4115
Source: 2002 AACs.

R 408.4116
Source: 2002 AACs.

R 408.4017
Source: 1979 AC.

R 408.4119
Source: 2006 AACs.

R 408.4120
Source: 2006 AACs.

R 408.4121
Source: 2009 AACs.

R 408.4122
Source: 2002 AACs.

R 408.4123
Source: 1981 AACs.

R 408.4124
Source: 2002 AACs.

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R 408.4125
Source: 2013 AACCS.

R 408.4127
Source: 2009 AACCS.

R 408.4129
Source: 2013 AACCS.

R 408.4131
Source: 1979 AC.

R 408.4133
Source: 2013 AACCS.

R 408.4139
Source: 2006 AACCS.

R 408.4143
Source: 1981 AACCS.

R 408.4149
Source: 2013 AACCS.

R 408.4151
Source: 1979 AC.

R 408.4153
Source: 2013 AACCS.

R 408.4155
Source: 1979 AC.

R 408.4157
Source: 2013 AACCS.

R 408.4159
Source: 1997 AACCS.

R 408.4161
Source: 1979 AC.

R 408.4163
Source: 2006 AACCS.

R 408.4165
Source: 1979 AC.

R 408.4167
Source: 1979 AC.

R 408.4169
Source: 2013 AACCS.

R 408.4171
Source: 2013 AACCS.

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R 408.4172
Source: 2013 AACS.

R 408.4173
Source: 2002 AACS.

R 408.4174
Source: 1997 AACS.

R 408.4175
Source: 2002 AACS.

R 408.4177
Source: 2006 AACS.

R 408.4179
Source: 2002 AACS.

R 408.4181
Source: 1997 AACS.

R 408.4182
Source: 2013 AACS.

R 408.4183
Source: 1997 AACS.

R 408.4184
Source: 1997 AACS.

R 408.4185
Source: 1995 AACS.

R 408.4186
Source: 2009 AACS.

R 408.4187
Source: 2002 AACS.

R 408.4189
Source: 2002 AACS.

R 408.4191
Source: 1997 AACS.

R 408.4193
Source: 2013 AACS.

R 408.4195
Source: 2009 AACS.

R 408.4197
Source: 2013 AACS.

PART 2. EXISTING INSTALLATIONS
STEAM BOILERS

R 408.4201

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Source: 1979 AC.

R 408.4202

Source: 1979 AC.

R 408.4203

Source: 1979 AC.

R 408.4205

Source: 1979 AC.

R 408.4206

Source: 1979 AC.

R 408.4207

Source: 1979 AC.

R 408.4208

Source: 1979 AC.

R 408.4210

Source: 1979 AC.

R 408.4212

Source: 1979 AC.

R 408.4214

Source: 1995 AACS.

R 408.4215

Source: 1979 AC.

R 408.4216

Source: 1979 AC.

R 408.4217

Source: 1979 AC.

R 408.4218

Source: 1979 AC.

R 408.4219

Source: 1979 AC.

R 408.4220

Source: 1979 AC.

R 408.4222

Source: 1979 AC.

R 408.4223

Source: 2013 AACS.

R 408.4225

Source: 1979 AC.

R 408.4230

Source: 1979 AC.

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R 408.4232
Source: 1979 AC.

R 408.4235
Source: 1979 AC.

R 408.4236
Source: 1979 AC.

R 408.4240
Source: 1979 AC.

R 408.4241
Source: 1979 AC.

R 408.4242
Source: 1979 AC.

R 408.4244
Source: 1979 AC.

R 408.4246
Source: 1979 AC.

R 408.4251
Source: 1979 AC.

R 408.4253
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R 408.4255
Source: 1979 AC.

R 408.4257
Source: 1979 AC.

R 408.4258
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R 408.4259
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R 408.4260
Source: 1979 AC.

R 408.4263
Source: 1979 AC.

R 408.4265
Source: 1979 AC.

R 408.4267
Source: 1979 AC.

R 408.4268
Source: 1979 AC.

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- R 408.4269**
Source: 1979 AC.
- R 408.4270**
Source: 1985 AACS.
- R 408.4274**
Source: 1979 AC.
- R 408.4275**
Source: 1997 AACS.
- R 408.4277**
Source: 1979 AC.
- R 408.4278**
Source: 1979 AC.
- R 408.4280**
Source: 1979 AC.
- R 408.4281**
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- R 408.4283**
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- R 408.4284**
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- R 408.4286**
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- R 408.4287**
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- R 408.4288**
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- R 408.4290**
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- R 408.4291**
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- R 408.4292**
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- R 408.4293**
Source: 1979 AC.
- R 408.4294**
Source: 1979 AC.
- R 408.4296**
Source: 1979 AC.
- R 408.4298**

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Source: 1979 AC.

**PART 3. INSPECTION AND TESTING FOR NEW CONSTRUCTION;
INSTALLATION AND ALTERATION OF BOILERS AND PIPING**

R 408.4301

Source: 2002 AACS.

R 408.4302

Source: 2006 AACS.

R 408.4303

Source: 2006 AACS.

R 408.4304

Source: 2006 AACS.

R 408.4306

Source: 1997 AACS.

R 408.4309

Source: 1997 AACS.

R 408.4312

Source: 1997 AACS.

R 408.4315

Source: 1997 AACS.

R 408.4318

Source: 1997 AACS.

R 408.4321

Source: 1997 AACS.

R 408.4324

Source: 1997 AACS.

R 408.4327

Source: 1997 AACS.

R 408.4330

Source: 1997 AACS.

R 408.4333

Source: 1997 AACS.

R 408.4336

Source: 1997 AACS.

R 408.4339

Source: 1997 AACS.

R 408.4342

Source: 1997 AACS.

R 408.4345

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Source: 1997 AACS.

R 408.4348

Source: 1997 AACS.

R 408.4351

Source: 1997 AACS.

R 408.4354

Source: 1997 AACS.

R 408.4357

Source: 1997 AACS.

R 408.4360

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R 408.4363

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R 408.4366

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R 408.4369

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R 408.4372

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R 408.4375

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R 408.4378

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R 408.4381

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R 408.4384

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R 408.4387

Source: 1997 AACS.

R 408.4390

Source: 1997 AACS.

R 408.4393

Source: 1997 AACS.

R 408.4396

Source: 1997 AACS.

PART 4. INSPECTION OF FUSION WELDING

R 408.4401

Source: 1997 AACS.

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R 408.4402
Source: 1997 AACs.

R 408.4405
Source: 1997 AACs.

R 408.4407
Source: 1997 AACs.

R 408.4409
Source: 1997 AACs.

R 408.4410
Source: 1997 AACs.

R 408.4412
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R 408.4414
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R 408.4416
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R 408.4418
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R 408.4420
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R 408.4422
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R 408.4424
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R 408.4426
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R 408.4428
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R 408.4430
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R 408.4432
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R 408.4434
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R 408.4436
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R 408.4438
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R 408.4440

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Source: 1997 AACS.

R 408.4442

Source: 1997 AACS.

R 408.4444

Source: 1997 AACS.

R 408.4446

Source: 1997 AACS.

R 408.4448

Source: 1997 AACS.

R 408.4450

Source: 1997 AACS.

R 408.4452

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R 408.4454

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R 408.4456

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R 408.4458

Source: 1997 AACS.

R 408.4460

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R 408.4462

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R 408.4466

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R 408.4468

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R 408.4470

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R 408.4472

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R 408.4474

Source: 1997 AACS.

R 408.4476

Source: 1997 AACS.

R 408.4478

Source: 1997 AACS.

R 408.4480

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Source: 1997 AACS.

R 408.4482

Source: 1997 AACS.

R 408.4484

Source: 1997 AACS.

R 408.4486

Source: 1997 AACS.

R 408.4488

Source: 1997 AACS.

R 408.4489

Source: 1997 AACS.

R 408.4490

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R 408.4491

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R 408.4493

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R 408.4494

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R 408.4495

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R 408.4496

Source: 1997 AACS.

R 408.4497

Source: 1997 AACS.

R 408.4498

Source: 1997 AACS.

R 408.4499

Source: 1997 AACS.

PART 5. INSERVICE INSPECTION OF BOILERS

R 408.4501

Source: 2002 AACS.

R 408.4502

Source: 2001 AACS.

R 408.4503

Source: 2013 AACS.

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R 408.4505

Source: 1998-2000 AACS.

R 408.4507

Source: 2009 AACS.

R 408.4510

Source: 2006 AACS.

R 408.4511

Source: 2013 AACS.

R 408.4512

Source: 2006 AACS.

R 408.4513

Source: 1998-2000 AACS.

R 408.4515

Source: 1998-2000 AACS.

R 408.4517

Source: 1998-2000 AACS.

R 408.4518

Source: 2006 AACS.

R 408.4520

Source: 2013 AACS.

R 408.4522

Source: 1995 AACS.

R 408.4524

Source: 1998-2000 AACS.

R 408.4526

Source: 1998-2000 AACS.

R 408.4529

Source: 1998-2000 AACS.

R 408.4531

Source: 1998-2000 AACS.

R 408.4534

Source: 1998-2000 AACS.

R 408.4536

Source: 1998-2000 AACS.

R 408.4538

Source: 1998-2000 AACS.

R 408.4540

Source: 1997 AACS.

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R 408.4542

Source: 1997 AACS.

R 408.4545

Source: 1998-2000 AACS.

R 408.4547

Source: 1998-2000 AACS.

R 408.4550

Source: 1998-2000 AACS.

R 408.4552

Source: 1997 AACS.

R 408.4554

Source: 1998-2000 AACS.

R 408.4556

Source: 1997 AACS.

R 408.4559

Source: 1998-2000 AACS.

R 408.4561

Source: 1998-2000 AACS.

R 408.4566

Source: 2013 AACS.

R 408.4569

Source: 1998-2000 AACS.

R 408.4570

Source: 2013 AACe.

R 408.4572

Source: 1998-2000 AACS.

R 408.4575

Source: 2013 AACS.

R 408.4578

Source: 1998-2000 AACS.

R 408.4580

Source: 1998-2000 AACS.

R 408.4581

Source: 1979 AC.

R 408.4583

Source: 1998-2000 AACS.

R 408.4586

Source: 1998-2000 AACS.

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R 408.4590
Source: 1998-2000 AACS.

PART 6. REPAIR OF BOILERS
SCOPE OF RULES FOR REPAIR BY RIVETING

R 408.4601
Source: 2006 AACS.

R 408.4602
Source: 2006 AACS.

R 408.4603
Source: 2006 AACS.

R 408.4604
Source: 2006 AACS.

R 408.4605
Source: 2006 AACS.

R 408.4606
Source: 2006 AACS.

R 408.4607
Source: 2006 AACS.

R 408.4608
Source: 2006 AACS.

R 408.4609
Source: 2006 AACS.

R 408.4610
Source: 2006 AACS.

R 408.4611
Source: 2006 AACS.

R 408.4612
Source: 2006 AACS.

R 408.4613
Source: 2006 AACS.

R 408.4614
Source: 2006 AACS.

R 408.4615
Source: 2006 AACS.

R 408.4616
Source: 2006 AACS.

R 408.4617
Source: 2006 AACS.

R 408.4618

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Source: 2006 AACS.

R 408.4619

Source: 2006 AACS.

R 408.4620

Source: 2006 AACS.

R 408.4622

Source: 2006 AACS.

R 408.4623

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R 408.4624

Source: 2006 AACS.

R 408.4625

Source: 2006 AACS.

R 408.4626

Source: 2006 AACS.

R 408.4627

Source: 2006 AACS.

R 408.4628

Source: 2006 AACS.

R 408.4627

Source: 1998-2000 AACS.

R 408.4628

Source: 1995 AACS.

R 408.4631

Source: 2006 AACS.

R 408.4633

Source: 1998-2000 AACS.

R 408.4635

Source: 1997 AACS.

R 408.4637

Source: 2006 AACS.

R 408.4639

Source: 1997 AACS.

R 408.4641

Source: 1997 AACS.

R 408.4643

Source: 1998-2000 AACS.

R 408.4645

Source: 1997 AACS.

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R 408.4647
Source: 1998-2000 AACS.

R 408.4649
Source: 1998-2000 AACS.

R 408.4650
Source: 1998-2000 AACS.

R 408.4651
Source: 1998-2000 AACS.

R 408.4653
Source: 1997 AACS.

R 408.4655
Source: 1997 AACS.

R 408.4657
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R 408.4659
Source: 1998-2000 AACS.

R 408.4660
Source: 2006 AACS.

R 408.4661
Source: 1998-2000 AACS.

R 408.4662
Source: 1997 AACS.

R 408.4664
Source: 1997 AACS.

R 408.4666
Source: 1997 AACS.

R 408.4667
Source: 2006 AACS.

R 408.4668
Source: 1998-2000 AACS.

R 408.4670
Source: 1998-2000 AACS.

R 408.4671
Source: 1998-2000 AACS.

R 408.4672
Source: 1998-2000 AACS.

R 408.4674
Source: 1997 AACS.

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R 408.4675

Source: 1998-2000 AACS.

R 408.4676

Source: 1998-2000 AACS.

R 408.4677

Source: 1997 AACS.

R 408.4678

Source: 1997 AACS.

R 408.4679

Source: 1997 AACS.

R 408.4680

Source: 1998-2000 AACS.

R 408.4682

Source: 1998-2000 AACS.

R 408.4683

Source: 1998-2000 AACS.

R 408.4684

Source: 2001 AACS.

R 408.4686

Source: 2001 AACS.

R 408.4687

Source: 2001 AACS.

R 408.4688

Source: 2001 AACS.

R 408.4689

Source: 2006 AACS.

R 408.4690

Source: 2001 AACS.

R 408.4691

Source: 2001 AACS.

R 408.4692

Source: 1997 AACS.

R 408.4693

Source: 1998-2000 AACS.

R 408.4694

Source: 1998-2000 AACS.

R 408.4695

Source: 1998-2000 AACS.

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R 408.4696
Source: 1997 AACS.

R 408.4697
Source: 1998-2000 AACS.

PART 7. BOILER BLOWOFF SYSTEMS

R 408.4701
Source: 2013 AACS.

R 408.4704
Source: 2006 AACS.

R 408.4707
Source: 2006 AACS.

R 408.4711
Source: 2006 AACS.

R 408.4715
Source: 1997 AACS.

R 408.4719
Source: 1997 AACS.

R 408.4723
Source: 1997 AACS.

R 408.4727
Source: 2006 AACS.

R 408.4731
Source: 2006 AACS.

R 408.4735
Source: 2006 AACS.

R 408.4739
Source: 2006 AACS.

R 408.4743
Source: 2006 AACS.

R 408.4747
Source: 2006 AACS.

R 408.4750
Source: 2006 AACS.

R 408.4756
Source: 1997 AACS.

R 408.4762
Source: 1997 AACS.

R 408.4768

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Source: 1997 AACS.

R 408.4774

Source: 1997 AACS.

R 408.4780

Source: 1997 AACS.

R 408.4786

Source: 1997 AACS.

R 408.4792

Source: 1997 AACS.

R 408.4798

Source: 1997 AACS.

PART 8. CONTROLS

R 408.4801

Source: 2006 AACS.

FUEL CUTOFFS AND FEEDWATER REGULATORS

R 408.4851

Source: 2006 AACS.

R 408.4853

Source: 2006 AACS.

R 408.4856

Source: 2006 AACS.

R 408.4857

Source: 1998-2000 AACS.

R 408.4859

Source: 1997 AACS.

R 408.4861

Source: 1997 AACS.

R 408.4863

Source: 1997 AACS.

R 408.4865

Source: 1997 AACS.

R 408.4869

Source: 1997 AACS.

R 408.4871

Source: 1997 AACS.

R 408.4873

Source: 1997 AACS.

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R 408.4876
Source: 1997 AACS.

R 408.4879
Source: 1997 AACS.

R 408.4882
Source: 1997 AACS.

R 408.4885
Source: 1997 AACS.

R 408.4888
Source: 1997 AACS.

R 408.4890
Source: 1997 AACS.

R 408.4893
Source: 2006 AACS.

PART 9. LOW-PRESSURE SIDE OF REDUCING VALVES

R 408.4901
Source: 1997 AACS.

R 408.4910
Source: 1997 AACS.

R 408.4920
Source: 1997 AACS.

R 408.4930
Source: 1997 AACS.

R 408.4940
Source: 1997 AACS.

R 408.4950
Source: 1997 AACS.

R 408.4960
Source: 1997 AACS.

R 408.4970
Source: 1997 AACS.

R 408.4980
Source: 1997 AACS.

R 408.4990
Source: 1997 AACS.

PART 15. HEARINGS

R 408.5501
Source: 1995 AACS.

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R 408.5502
Source: 1997 AACS.

R 408.5503
Source: 1997 AACS.

R 408.5504
Source: 1997 AACS.

R 408.5505
Source: 1997 AACS.

R 408.5506
Source: 1997 AACS.

R 408.5507
Source: 1997 AACS.

**PART 16. MICHIGAN BOILER OPERATORS AND STATIONARY ENGINEERS QUALIFICATION AND
VOLUNTARY REGISTRATION PROGRAM RULES**

R 408.5601
Source: 2010 AACS.

R 408.5602
Source: 2010 AACS.

R 408.5603
Source: 2010 AACS.

R 408.5604
Source: 2010 AACS.

R 408.5605
Source: 2013 AACS.

R 408.5606
Source: 2010 AACS.

R 408.5607
Source: 2010 AACS.

R 408.5608
Source: 2010 AACS.

R 408.5609
Source: 2010 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

BUREAU OF SAFETY AND REGULATION

OCCUPATIONAL SAFETY STANDARDS COMMISSION

GENERAL RULES

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R 408.6171
Source: 1998-2000 AACS.

BUREAU OF EMPLOYMENT STANDARDS
YOUTH EMPLOYMENT STANDARDS

PART 1. GENERAL PROVISIONS

R 408.6199
Source: 1988 AACS.

PART 2. HAZARDOUS OCCUPATIONS IN GENERAL EMPLOYMENT

R 408.6201
Source: 1988 AACS.

R 408.6202
Source: 2003 AACS.

R 408.6203
Source: 2015 AACS.

R 408.6204
Source: 2015 AACS.

R 408.6205
Source: 1988 AACS.

R 408.6206
Source: 2015 AACS.

R 408.6207
Source: 1988 AACS.

R 408.6208
Source: 2015 AACS.

R 408.6209
Source: 2015 AACS.

PART 3. DEVIATIONS FROM ESTABLISHED STANDARDS OR FROM LEGAL HOURS OF EMPLOYMENT
FOR 16- AND 17-YEAR-OLD MINORS

R 408.6301
Source: 2015 AACS.

R 408.6302
Source: 2014 AACS.

R 408.6303
Source: 2006 AACS.

R 408.6304
Source: 2003 AACS.

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R 408.6305
Source: 1988 AACS.

R 408.6306
Source: 1988 AACS.

R 408.6307
Source: 1988 AACS.

R 408.6308
Source: 1988 AACS.

R 408.6309
Source: 2006 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

DIRECTOR'S OFFICE

ELEVATORS

CHAPTER 1. GENERAL PROVISIONS

R 408.7001
Source: 2014 AACS.

R 408.7002
Source: 2014 AACS.

R 408.7003
Source: 2014 AACS.

R 408.7004
Source: 2003 AACS.

R 408.7005
Source: 2003 AACS.

R 408.7006
Source: 2003 AACS.

R 408.7007
Source: 2003 AACS.

R 408.7008
Source: 2003 AACS.

R 408.7009
Source: 2003 AACS.

R 408.7010
Source: 2003 AACS.

R 408.7011
Source: 2014 AACS.

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R 408.7012
Source: 2003 AACS.

R 408.7013
Source: 2003 AACS.

R 408.7014
Source: 2003 AACS.

R 408.7015
Source: 2003 AACS.

R 408.7016
Source: 2003 AACS.

R 408.7017
Source: 2003 AACS.

R 408.7018
Source: 2003 AACS.

R 408.7019
Source: 2014 AACS.

R 408.7020
Source: 2014 AACS.

R 408.7021
Source: 2014 AACS.

R 408.7022
Source: 2003 AACS.

R 408.7023
Source: 2014 AACS.

R 408.7023a
Source: 2014 AACS.

R 408.7023b
Source: 2014 AACS.

R 408.7024
Source: 2014 AACS.

R 408.7025
Source: 2014 AACS.

CHAPTER 2. ALL ELEVATORS

R 408.7026
Source: 2014 AACS.

R 408.7027
Source: 2003 AACS.

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R 408.7028
Source: 2003 AACS.

R 408.7029
Source: 2014 AACS.

R 408.7030
Source: 2014 AACS.

R 408.7031
Source: 2003 AACS.

CHAPTER 3. ASME A17.1 MODIFICATIONS

R 408.7031a
Source: 2014 AACS.

R 408.7032
Source: 2014 AACS.

R 408.7033
Source: 2003 AACS.

R 408.7034
Source: 2014 AACS.

R 408.7034a
Source: 2010 AACS.

R 408.7035
Source: 2014 AACS.

R 408.7036
Source: 2014 AACS.

R 408.7037
Source: 2014 AACS.

R 408.7037a
Source: 2005 AACS.

R 408.7038
Source: 2003 AACS.

R 408.7039
Source: 2005 AACS.

R 408.7040
Source: 2014 AACS.

R 408.7041
Source: 2014 AACS.

R 408.7042
Source: 2003 AACS.

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R 408.7043

Source: 2010 AACS.

R 408.7043a

Source: 2010 AACS.

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R 408.7060a
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CHAPTER 4. ASME A18.1 MODIFICATIONS

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R 408.7067

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R 408.7068

Source: 2003 AACS.

CHAPTER 5. ASME A90-1 MODIFICATIONS

R 408.7069

Source: 2014 AACS.

CHAPTER 6. ANSI A10.4 MODIFICATIONS

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CHAPTER 7. SEWER LIFT STATION PERSONNEL ELEVATORS

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PAYMENT OF WAGES AND FRINGE BENEFITS

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PART 1A. ABRASIVE WHEELS

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 3. FIXED LADDERS

R 408.10301
Source: 2018 AACS.

R 408.10305
Source: 2018 AACS.

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R 408.10306
Source: 2018 AACCS.

R 408.10307
Source: 2018 AACCS.

R 408.10308
Source: 2018 AACCS.

R 408.10310
Source: 2018 AACCS.

R 408.10311
Source: 2018 AACCS.

R 408.10321
Source: 2018 AACCS.

R 408.10323
Source: 2018 AACCS.

R 408.10324
Source: 2018 AACCS.

R 408.10325
Source: 2018 AACCS.

R 408.10326
Source: 2018 AACCS.

R 408.10328
Source: 2018 AACCS.

R 408.10331
Source: 2018 AACCS.

R 408.10333
Source: 2018 AACCS.

R 408.10335
Source: 2018 AACCS.

R 408.10341
Source: 2018 AACCS.

R 408.10342
Source: 2018 AACCS.

R 408.10345
Source: 2018 AACCS.

R 408.10351
Source: 2018 AACCS.

R 408.10352
Source: 2018 AACCS.

R 408.10353

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Source: 2018 AACS.

R 408.10354

Source: 2018 AACS.

R 408.10355

Source: 2018 AACS.

R 408.10357

Source: 2018 AACS.

R 408.10361

Source: 2018 AACS.

R 408.10365

Source: 2018 AACS.

R 408.10371

Source: 2018 AACS.

R 408.10372

Source: 2018 AACS.

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GENERAL INDUSTRY SAFETY STANDARDS

PART 4. PORTABLE LADDERS

R 408.10401

Source: 2018 AACS.

R 408.10403

Source: 2018 AACS.

R 408.10404

Source: 2018 AACS.

R 408.10406

Source: 2018 AACS.

R 408.10407

Source: 2018 AACS.

R 408.10408

Source: 2018 AACS.

R 408.10411

Source: 1972 AC.

R 408.10413

Source: 2013 AACS.

R 408.10421

Source: 2018 AACS.

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R 408.10422
Source: 2018 AACCS.

R 408.10423
Source: 1972 AC.

R 408.10424
Source: 1972 AC.

R 408.10426
Source: 1981 AACCS.

R 408.10427
Source: 2018 AACCS.

R 408.10428
Source: 2018 AACCS.

R 408.10431
Source: 2018 AACCS.

R 408.10432
Source: 2018 AACCS.

R 408.10433
Source: 2018 AACCS.

R 408.10441
Source: 2018 AACCS.

R 408.10442
Source: 2018 AACCS.

R 408.10443
Source: 2018 AACCS.

R 408.10445
Source: 2018 AACCS.

R 408.10446
Source: 2018 AACCS.

R 408.10447
Source: 2018 AACCS.

R 408.10451
Source: 2018 AACCS.

R 408.10452
Source: 2018 AACCS.

R 408.10454
Source: 2018 AACCS.

R 408.10456
Source: 2018 AACCS.

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PART 5. POWERED PLATFORMS FOR BUILDING MAINTENANCE

R 408.10501
Source: 2018 AACS.

R 408.10502
Source: 2018 AACS.

R 408.10503
Source: 2018 AACS.

R 408.10504
Source: 2018 AACS.

R 408.10505
Source: 2018 AACS.

R 408.10506
Source: 2018 AACS.

R 408.10507
Source: 2018 AACS.

R 408.10508
Source: 2018 AACS.

R 408.10509
Source: 2018 AACS.

R 408.10511
Source: 2018 AACS.

R 408.10512
Source: 2018 AACS.

R 408.10513
Source: 2018 AACS.

R 408.10518
Source: 2018 AACS.

R 408.10521
Source: 2018 AACS.

R 408.10522
Source: 2018 AACS.

R 408.10523
Source: 2018 AACS.

R 408.10524
Source: 2018 AACS.

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R 408.10525
Source: 2018 AACCS.

R 408.10526
Source: 2018 AACCS.

R 408.10527
Source: 2018 AACCS.

R 408.10528
Source: 2018 AACCS.

R 408.10529
Source: 2018 AACCS.

R 408.10530
Source: 2018 AACCS.

R 408.10531
Source: 2018 AACCS.

R 408.10532
Source: 2018 AACCS.

R 408.10533
Source: 2018 AACCS.

R 408.10534
Source: 2018 AACCS.

R 408.10535
Source: 2018 AACCS.

R 408.10541
Source: 2018 AACCS.

R 408.10542
Source: 2018 AACCS.

R 408.10543
Source: 2018 AACCS.

R 408.10544
Source: 2018 AACCS.

R 408.10545
Source: 2018 AACCS.

R 408.10546
Source: 2018 AACCS.

R 408.10547
Source: 2016 AACCS.

R 408.10548
Source: 2018 AACCS.

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R 408.10549
Source: 2018 AACCS.

R 408.10550
Source: 2018 AACCS.

R 408.10561
Source: 2016 AACCS.

R 408.10562
Source: 1992 AACCS.

R 408.10563
Source: 1992 AACCS.

R 408.10564
Source: 2016 AACCS.

R 408.10565
Source: 2018 AACCS.

R 408.10566
Source: 1992 AACCS.

R 408.10567
Source: 2016 AACCS.

R 408.10568
Source: 2018 AACCS.

R 408.10568a
Source: 2016 AACCS.

R 408.10568b
Source: 2016 AACCS.

R 408.10568c
Source: 2016 AACCS.

R 408.10568e
Source: 2016 AACCS.

R 408.10568f
Source: 2016 AACCS.

R 408.10568g
Source: 2016 AACCS.

R 408.10569
Source: 2016 AACCS.

R 408.10570
Source: 2013 AACCS.

R 408.10571

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Source: 1992 AACS.

R 408.10572

Source: 2016 AACS.

R 408.10573

Source: 2018 AACS.

R 408.10574

Source: 1992 AACS.

R 408.10575

Source: 2016 AACS.

R 408.10575a

Source: 2018 AACS.

R 408.10575b

Source: 2018 AACS.

R 408.10575c

Source: 2018 AACS.

R 408.10575d

Source: 2016 AACS.

R 408.10575e

Source: 2018 AACS.

R 408.10575f

Source: 2016 AACS.

R 408.10575g

Source: 2016 AACS.

R 408.10575h

Source: 2016 AACS.

R 408.10576

Source: 2016 AACS.

R 408.10577

Source: 2016 AACS.

R 408.10578

Source: 2016 AACS.

R 408.10579

Source: 2016 AACS.

R 408.10580

Source: 2016 AACS.

R 408.10581

Source: 1992 AACS.

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R 408.10582
Source: 2018 AACS.

R 408.10583
Source: 2016 AACS.

R 408.10584
Source: 2016 AACS.

R 408.10585
Source: 2016 AACS.

R 408.10586
Source: 1992 AACS.

R 408.10587
Source: 1992 AACS.

R 408.10588
Source: 1992 AACS.

R 408.10589
Source: 2016 AACS.

R 408.10590
Source: 2013 AACS.

R 408.10591
Source: 2016 AACS.

R 408.10592
Source: 2018 AACS.

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PART 6. FIRE EXITS

GENERAL PROVISIONS

R 408.10601
Source: 2015 AACS.

R 408.10602
Source: 1979 AC.

R 408.10603
Source: 2015 AACS.

R 408.10604
Source: 2015 AACS.

R 408.10605
Source: 2015 AACS.

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R 408.10606
Source: 2019 AACS.

R 408.10607
Source: 1954. ACS.

R 408.10608
Source: 1990 AACS.

R 408.10610
Source: 1954 ACS.

R 408.10611
Source: 2015 AACS.

R 408.10612
Source: 2015 AACS.

R 408.10613
Source: 2015 AACS.

R 408.10614
Source: 1979 AC.

R 408.10615
Source: 1954 ACS.

R 408.10616
Source: 1954 ACS.

R 408.10617
Source: 1954 ACS.

CLASSES OF OCCUPANCY AND HAZARD OF CONTENTS

R 408.10621
Source: 2015 AACS.

R 408.10622
Source: 1979 AC.

R 408.10623
Source: 2015 AACS.

R 408.10624
Source: 2015 AACS.

R 408.10625
Source: 1954 ACS.

R 408.10626
Source: 1954 ACS.

R 408.10627
Source: 2015 AACS.

MEANS OF EGRESS

R 408.10631
Source: 2015 AACS.

R 408.10632
Source: 2019 AACS.

R 408.10633
Source: 2015 AACS.

R 408.10634
Source: 2015 AACS.

R 408.10635
Source: 1979 AC.

R 408.10636
Source: 2015 AACS.

R 408.10637
Source: 2015 AACS.

R 408.10638
Source: 2015 AACS.

R 408.10639
Source: 2015 AACS.

R 408.10641
Source: 2019 AACS.

DOORS AND STAIRS

R 408.10643
Source: 2015 AACS.

R 408.10644
Source: 2015 AACS.

R 408.10645
Source: 2015 AACS.

R 408.10646
Source: 1979 AC.

R 408.10647
Source: 2015 AACS.

R 408.10651
Source: 1979 AC.

HORIZONTAL EXITS, RAMPS, AND ESCALATORS

R 408.10661
Source: 2015 AACS.

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R 408.10664
Source: 2015 AACS.

R 408.10667
Source: 1979 AC.

FIRE ESCAPES

R 408.10671
Source: 2015 AACS.

R 408.10672
Source: 1979 AC.

R 408.10673
Source: 2015 AACS.

R 408.10674
Source: 1979 AC.

R 408.10675
Source: 2015 AACS.

R 408.10677
Source: 2019 AACS.

R 408.10679
Source: 1998-2000 AACS.

ILLUMINATION AND MARKING

R 408.10680
Source: 2015 AACS.

R 408.10681
Source: 1979 AC.

R 408.10682
Source: 1979 AC.

R 408.10685
Source: 2015 AACS.

R 408.10686
Source: 2015 AACS.

MISCELLANEOUS OCCUPANCIES

R 408.10691
Source: 1979 AC.

R 408.10692
Source: 1979 AC.

R 408.10693
Source: 1979 AC.

R 408.10694

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Source: 1979 AC.

R 408.10695

Source: 2019 AACS.

R 408.10696

Source: 2019 AACS.

R 408.10697

Source: 1979 AC.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 7. GUARDS FOR POWER TRANSMISSION

R 408.10701

Source: 1979 AC.

R 408.10702

Source: 2019 AACS.

R 408.10703

Source: 1982 AACS.

R 408.10704

Source: 1979 AC.

POWER TRANSMISSION EQUIPMENT

R 408.10711

Source: 2019 AACS.

R 408.10712

Source: 2019 AACS.

R 408.10713

Source: 2019 AACS.

R 408.10714

Source: 1997 AACS.

R 408.10715

Source: 1982 AACS.

R 408.10716

Source: 1982 AACS.

R 408.10721

Source: 1982 AACS.

R 408.10722

Source: 1982 AACS.

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- R 408.10723**
Source: 1979 AC.
- R 408.10725**
Source: 1982 AACS.
- R 408.10726**
Source: 1982 AACS.
- R 408.10727**
Source: 2019 AACS.
- R 408.10728**
Source: 1979 AC.
- R 408.10729**
Source: 1979 AC.
- R 408.10730**
Source: 1982 AACS.
- R 408.10731**
Source: 1982 AACS.
- R 408.10732**
Source: 1979 AC.
- R 408.10734**
Source: 1982 AACS.
- R 408.10736**
Source: 1979 AC.
- R 408.10738**
Source: 1979 AC.

STARTING AND STOPPING DEVICES

- R 408.10741**
Source: 1982 AACS.
- R 408.10743**
Source: 1979 AC.
- R 408.10744**
Source: 1982 AACS.

GUARD DESIGN AND CONSTRUCTION

- R 408.10751**
Source: 1979 AC.
- R 408.10752**
Source: 1979 AC.
- R 408.10753**
Source: 2016 AACS.
- R 408.10754**

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Source: 1982 AACS.

R 408.10757

Source: 1997 AACS.

POWER DISCONNECTS AND LOCK-OUTS

R 408.10761

Source: 2013 AACS.

R 408.10763

Source: 2013 AACS.

R 408.10765

Source: 2013 AACS.

PART 8. PORTABLE FIRE EXTINGUISHERS

GENERAL PROVISIONS

R 408.10801

Source: 2013 AACS.

R 408.10803

Source: 2006 AACS.

R 408.10804

Source: 1979 AC.

R 408.10805

Source: 1979 AC.

R 408.10807

Source: 2013 AACS.

R 408.10808

Source: 1979 AC.

R 408.10811

Source: 2006 AACS.

R 408.10812

Source: 1979 AC.

R 408.10813

Source: 2006 AACS.

R 408.10814

Source: 1980 AACS.

DISTRIBUTION

R 408.10821

Source: 1979 AC.

R 408.10822

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Source: 2006 AACS.

R 408.10823

Source: 2013 AACS.

R 408.10824

Source: 1979 AC.

R 408.10825

Source: 1979 AC.

R 408.10826

Source: 2006 AACS.

R 408.10831

Source: 1979 AC.

R 408.10833

Source: 2006 AACS.

R 408.10836

Source: 2006 AACS.

R 408.10837

Source: 1979 AC.

R 408.10839

Source: 1984 AACS.

PART 9. FIXED FIRE EQUIPMENT

GENERAL PROVISIONS

R 408.10901

Source: 1984 AACS.

R 408.10902

Source: 1979 AC.

R 408.10903

Source: 1984 AACS.

R 408.10905

Source: 1979 AC.

R 408.10907

Source: 1979 AC.

R 408.10911

Source: 1979 AC.

R 408.10912

Source: 1979 AC.

R 408.10913

Source: 1984 AACS.

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R 408.10914
Source: 2013 AACS.

R 408.10916
Source: 1979 AC.

R 408.10917
Source: 1979 AC.

R 408.10919
Source: 1984 AACS.

R 408.10920
Source: 1984 AACS.

AUTOMATIC SPRINKLER SYSTEMS

R 408.10921
Source: 1984 AACS.

R 408.10923
Source: 1979 AC.

R 408.10924
Source: 1979 AC.

R 408.10925
Source: 2013 AACS.

R 408.10926
Source: 1984 AACS.

R 408.10927
Source: 1979 AC.

R 408.10928
Source: 1984 AACS.

STANDPIPE AND HOSE SYSTEMS

R 408.10931
Source: 1984 AACS.

R 408.10933
Source: 1979 AC.

R 408.10934
Source: 1984 AACS.

R 408.10935
Source: 1979 AC.

R 408.10936
Source: 1997 AACS.

R 408.10937

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Source: 1984 AACS.

CARBON DIOXIDE SYSTEMS

R 408.10941

Source: 1984 AACS.

R 408.10944

Source: 1979 AC.

R 408.10945

Source: 1979 AC.

R 408.10946

Source: 1979 AC.

DRY CHEMICAL SYSTEMS

R 408.10951

Source: 1984 AACS.

R 408.10952

Source: 1984 AACS.

R 408.10953

Source: 1979 AC.

R 408.10954

Source: 1979 AC.

R 408.10955

Source: 1979 AC.

FOAM SYSTEMS

R 408.10961

Source: 1984 AACS.

R 408.10963

Source: 1984 AACS.

R 408.10964

Source: 1984 AACS.

R 408.10965

Source: 1984 AACS.

HALOGENATED EXTINGUISHING SYSTEMS

R 408.10971

Source: 1984 AACS.

R 408.10973

Source: 1979 AC.

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R 408.10975
Source: 1979 AC.

R 408.10976
Source: 1979 AC.

LOCAL FIRE ALARM SYSTEMS

R 408.10981
Source: 1984 AACS.

R 408.10983
Source: 1984 AACS.

R 408.10984
Source: 1979 AC.

FIRE DETECTION SYSTEMS

R 408.10991
Source: 1984 AACS.

R 408.10993
Source: 1984 AACS.

R 408.10995
Source: 1984 AACS.

R 408.10999
Source: 2013 AACS.

PART 11. POLISHING, BUFFING, AND ABRADING

R 408.11101
Source: 1979 AC.

R 408.11103
Source: 1979 AC.

R 408.11104
Source: 1979 AC.

R 408.11105
Source: 1979 AC.

R 408.11111
Source: 1983 AACS.

R 408.11115
Source: 1979 AC.

R 408.11116

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Source: 1979 AC.

R 408.11118

Source: 1979 AC.

R 408.11119

Source: 2013 AACS.

R 408.11121

Source: 2013 AACS.

R 408.11123

Source: 1979 AC.

R 408.11131

Source: 1979 AC.

R 408.11135

Source: 1979 AC.

R 408.11137

Source: 1979 AC.

PART 12. WELDING AND CUTTING

R 408.11201

Source: 1979 AC.

R 408.11202

Source: 2013 AACS.

R 408.11203

Source: 2013 AACS.

R 408.11204

Source: 1979 AC.

R 408.11205

Source: 1988 AACS.

R 408.11211

Source: 2013 AACS.

R 408.11212

Source: 1988 AACS.

R 408.11213

Source: 2013 AACS.

R 408.11214

Source: 1997 AACS.

R 408.11221

Source: 2013 AACS.

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R 408.11222
Source: 2013 AACS.

R 408.11223
Source: 1979 AC.

R 408.11224
Source: 2013 AACS.

R 408.11225
Source: 1988 AACS.

R 408.11231
Source: 1979 AC.

R 408.11232
Source: 1981 AACS.

R 408.11233
Source: 1979 AC.

R 408.11234
Source: 1981 AACS.

R 408.11241
Source: 2013 AACS.

R 408.11242
Source: 1981 AACS.

R 408.11243
Source: 2013 AACS.

R 408.11244
Source: 1979 AC.

R 408.11245
Source: 1979 AC.

R 408.11251
Source: 1979 AC.

R 408.11252
Source: 1979 AC.

R 408.11253
Source: 1979 AC.

R 408.11254
Source: 1979 AC.

R 408.11261
Source: 1979 AC.

R 408.11262
Source: 2013 AACS.

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R 408.11271

Source: 1979 AC.

R 408.11272

Source: 1979 AC.

R 408.11273

Source: 1979 AC.

R 408.11274

Source: 1979 AC.

R 408.11275

Source: 2013 AACS.

R 408.11276

Source: 1979 AC.

R 408.11281

Source: 1988 AACS.

R 408.11282

Source: 1979 AC.

R 408.11283

Source: 1979 AC.

R 408.11284

Source: 1979 AC.

R 408.11291

Source: 1979 AC.

R 408.11292

Source: 1981 AACS.

R 408.11293

Source: 2013 AACS.

R 408.11294

Source: 2013 AACS.

R 408.11295

Source: 1979 AC.

R 408.11296

Source: 1979 AC.

R 408.11297

Source: 1997 AACS.

R 408.11298

Source: 1981 AACS.

R 408.11299

Source: 1981 AACS.

PART 13. DERRICKS

R 408.11301
Source: 1982 AACS.

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PART 14. CONVEYORS

GENERAL PROVISIONS

R 408.11401
Source: 1979 AC.

R 408.11402
Source: 2019 AACS.

R 408.11403
Source: 2019 AACS.

R 408.11404
Source: 1979 AC.

R 408.11405
Source: 1979 AC.

R 408.11406
Source: 1979 AC.

R 408.11407
Source: 2017 AACS.

R 408.11411
Source: 1979 AC.

R 408.11412
Source: 2017 AACS.

DESIGN

R 408.11421
Source: 2019 AACS.

R 408.11422
Source: 2017 AACS.

R 408.11423
Source: 1979 AC.

R 408.11424
Source: 1979 AC.

R 408.11425

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Source: 2019 AACS.

R 408.11426

Source: 1979 AC.

R 408.11427

Source: 1979 AC.

R 408.11428

Source: 1979 AC.

R 408.11429

Source: 1979 AC.

ELECTRICAL

R 408.11431

Source: 2013 AACS.

R 408.11432

Source: 1979 AC.

R 408.11433

Source: 2017 AACS.

R 408.11434

Source: 2013 AACS.

R 408.11435

Source: 2013 AACS.

R 408.11436

Source: 1997 AACS.

SPECIFIC CONVEYORS

R 408.11441

Source: 1979 AC.

R 408.11442

Source: 1979 AC.

R 408.11443

Source: 1979 AC.

R 408.11444

Source: 1979 AC.

R 408.11445

Source: 1979 AC.

R 408.11446

Source: 1979 AC.

R 408.11447

Source: 1979 AC.

R 408.11448

Source: 1979 AC.

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R 408.11449
Source: 1979 AC.

R 408.11450
Source: 2017 AACS.

R 408.11451
Source: 1979 AC.

R 408.11452
Source: 1979 AC.

R 408.11461
Source: 1979 AC.

PART 16. LABELING OF HAZARDOUS SUBSTANCES

R 408.11601
Source: 1997 AACS.

R 408.11602
Source: 1997 AACS.

R 408.11603
Source: 1997 AACS.

R 408.11604
Source: 1997 AACS.

R 408.11605
Source: 1997 AACS.

R 408.11606
Source: 1997 AACS.

R 408.11607
Source: 1997 AACS.

R 408.11608
Source: 1997 AACS.

R 408.11609
Source: 1997 AACS.

R 408.11610
Source: 1997 AACS.

R 408.11611
Source: 1997 AACS.

R 408.11612
Source: 1997 AACS.

R 408.11613
Source: 1997 AACS.

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PART 17. REFUSE PACKER UNITS

R 408.11701

Source: 1979 AC.

R 408.11704

Source: 1979 AC.

R 408.11705

Source: 1979 AC.

R 408.11706

Source: 1979 AC.

R 408.11711

Source: 1979 AC.

R 408.11713

Source: 1979 AC.

R 408.11715

Source: 1979 AC.

R 408.11716

Source: 1979 AC.

R 408.11717

Source: 1979 AC.

R 408.11718

Source: 1979 AC.

MOBILE UNITS

R 408.11721

Source: 2019 AACS.

R 408.11722

Source: 1979 AC.

R 408.11723

Source: 1979 AC.

R 408.11724

Source: 2013 AACS.

R 408.11725

Source: 2013 AACS.

STATIONARY UNITS

R 408.11731

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Source: 1979 AC.

R 408.11732

Source: 2019 AACS.

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PART 18. OVERHEAD AND GANTRY CRANES

R 408.11801

Source: 2018 AACS.

R 408.11803

Source: 2002 AACS.

R 408.11804

Source: 2002 AACS.

R 408.11805

Source: 2002 AACS.

R 408.11806

Source: 2002 AACS.

R 408.11807

Source: 2018 AACS.

R 408.11808

Source: 2018 AACS.

R 408.11821

Source: 2018 AACS.

R 408.11822

Source: 2005 AACS.

R 408.11823 S

Source: 2018 AACS.

R 408.11824

Source: 2018 AACS.

R 408.11825

Source: 2002 AACS.

R 408.11826

Source: 2002 AACS.

R 408.11827

Source: 2002 AACS.

R 408.11831

Source: 1979 AC.

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- R 408.11832**
Source: 1979 AC.
- R 408.11833**
Source: 2002 AACS.
- R 408.11835**
Source: 2018 AACS.
- R 408.11837**
Source: 2002 AACS.
- R 408.11841**
Source: 2002 AACS.
- R 408.11843**
Source: 2018 AACS.
- R 408.11844**
Source: 2018 AACS.
- R 408.11845**
Source: 2002 AACS.
- R 408.11847**
Source: 2002 AACS.
- R 408.11851**
Source: 2013 AACS.
- R 408.11852**
Source: 2018 AACS.
- R 408.11853**
Source: 2002 AACS.
- R 408.11854**
Source: 2018 AACS.
- R 408.11855**
Source: 2005 AACS.
- R 408.11857**
Source: 2002 AACS.
- R 408.11859**
Source: 2013 AACS.
- R 408.11861**
Source: 2002 AACS.
- R 408.11863**
Source: 2018 AACS.
- R 408.11865**
Source: 2018 AACS.

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R 408.11871
Source: 2018 AACCS.

R 408.11872
Source: 2018 AACCS.

R 408.11873
Source: 2018 AACCS.

R 408.11874
Source: 2002 AACCS.

R 408.11875
Source: 2002 AACCS.

R 408.11901
Source: 1979 AC.

R 408.11902
Source: 2013 AACCS.

R 408.11903
Source: 1979 AC.

R 408.11904
Source: 1979 AC.

R 408.11905
Source: 1979 AC.

R 408.11906
Source: 1979 AC.

R 408.11911
Source: 1979 AC.

R 408.11912
Source: 1979 AC.

R 408.11913
Source: 2013 AACCS.

R 408.11914
Source: 1979 AC.

R 408.11915
Source: 1979 AC.

R 408.11916
Source: 1997 AACCS.

R 408.11921
Source: 2013 AACCS.

R 408.11923
Source: 1979 AC.

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R 408.11924
Source: 1979 AC.

R 408.11931
Source: 1979 AC.

R 408.11932
Source: 1979 AC.

R 408.11933
Source: 1979 AC.

R 408.11934
Source: 1979 AC.

R 408.11935
Source: 1979 AC.

R 408.11936
Source: 1979 AC.

R 408.11937
Source: 2013 AACCS.

R 408.11941
Source: 1979 AC.

R 408.11942
Source: 1979 AC.

R 408.11943
Source: 1989 AACCS.

R 408.11951
Source: 1979 AC.

R 408.11952
Source: 1979 AC.

R 408.11953
Source: 1979 AC.

R 408.11954
Source: 1979 AC.

R 408.11955
Source: 1979 AC.

R 408.11956
Source: 1979 AC.

R 408.11957
Source: 2013 AACCS.

R 408.11971
Source: 1979 AC.

R 408.11972
Source: 1979 AC.

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PART 20. UNDERHUNG CRANES AND MONORAIL SYSTEMS

R 408.12001

Source: 1990 AACS.

R 408.12002

Source: 2019 AACS.

R 408.12003

Source: 1990 AACS.

R 408.12004

Source: 1990 AACS.

R 408.12005

Source: 1990 AACS.

CONSTRUCTION, INSTALLATION, AND TESTING

R 408.12011

Source: 2013 AACS.

R 408.12012

Source: 1990 AACS.

R 408.12013

Source: 1990 AACS.

R 408.12014

Source: 1990 AACS.

R 408.12015

Source: 1990 AACS.

R 408.12016

Source: 2019 AACS.

R 408.12017

Source: 1990 AACS.

R 408.12018

Source: 1990 AACS.

R 408.12019

Source: 1990 AACS.

OPERATORS AND OPERATIONS

R 408.12021

Source: 2013 AACS.

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R 408.12022
Source: 1990 AACS.

R 408.12023
Source: 1990 AACS.

R 408.12024
Source: 1990 AACS.

R 408.12025
Source: 1990 AACS.

R 408.12026
Source: 2013 AACS.

R 408.12031
Source: 1990 AACS.

R 408.12032
Source: 1990 AACS.

R 408.12033
Source: 1990 AACS.

R 408.12034
Source: 1990 AACS.

R 408.12035
Source: 1990 AACS.

INSPECTION AND MAINTENANCE

R 408.12041
Source: 1990 AACS.

R 408.12042
Source: 1990 AACS.

R 408.12043
Source: 2013 AACS.

R 408.12044
Source: 1990 AACS.

R 408.12045
Source: 1990 AACS.

PART 21. POWERED INDUSTRIAL TRUCKS

R 408.12101
Source: 2016 AACS.

R 408.12102
Source: 2016 AACS.

R 408.12103
Source: 2016 AACS.

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R 408.12104
Source: 1998-2000 AACS.

R 408.12105
Source: 1998-2000 AACS.

R 408.12106
Source: 2016 AACS.

R 408.12107
Source: 2016 AACS.

R 408.12108
Source: 2016 AACS.

R 408.12109
Source: 2016 AACS.

R 408.12110
Source: 2016 AACS.

R 408.12111
Source: 2018 AACS.

R 408.12121
Source: 1998-2000 AACS.

R 408.12122
Source: 1979 AC.

R 408.12123
Source: 1979 AC.

R 408.12124
Source: 1979 AC.

R 408.12125
Source: 1979 AC.

R 408.12126
Source: 1979 AC.

R 408.12127
Source: 1979 AC.

R 408.12128
Source: 1979 AC.

R 408.12129
Source: 1979 AC.

R 408.12130
Source: 1998-2000 AACS.

R 408.12131
Source: 2018 AACS.

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R 408.12132
Source: 2016 AACS.

R 408.12133
Source: 1979 AC.

R 408.12134
Source: 1998-2000 AACS.

R 408.12135
Source: 1998-2000 AACS.

R 408.12136
Source: 2016 AACS.

R 408.12137
Source: 2016 AACS.

R 408.12138
Source: 1998-2000 AACS.

R 408.12139
Source: 2016 AACS.

R 408.12143
Source: 2016 AACS.

R 408.12151
Source: 2013 AACS.

R 408.12152
Source: 2016 AACS.

R 408.12153
Source: 2016 AACS.

R 408.12154
Source: 2016 AACS.

R 408.12155
Source: 2018 AACS.

R 408.12161
Source: 1980 AACS.

R 408.12162
Source: 1983 AACS.

R 408.12163
Source: 2016 AACS.

R 408.12164
Source: 2018 AACS.

R 408.12165

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Source: 2018 AACS.

R 408.12166

Source: 1979 AC.

R 408.12167

Source: 1979 AC.

R 408.12168

Source: 1979 AC.

R 408.12169

Source: 2018 AACS.

R 408.12171

Source: 2016 AACS.

R 408.12172

Source: 1998-2000 AACS.

R 408.12173

Source: 1998-2000 AACS.

R 408.12174

Source: 1979 AC.

R 408.12175

Source: 1979 AC.

R 408.12176

Source: 2018 AACS.

R 408.12177

Source: 1983 AACS.

R 408.12178

Source: 1979 AC.

R 408.12179

Source: 1983 AACS.

R 408.12180

Source: 1979 AC.

R 408.12181

Source: 1979 AC.

R 408.12182

Source: 1979 AC.

R 408.12183

Source: 1983 AACS.

R 408.12184

Source: 1983 AACS.

R 408.12185

Source: 1979 AC.

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R 408.12186
Source: 1979 AC.

R 408.12187
Source: 1979 AC.

R 408.12188
Source: 1979 AC.

R 408.12189
Source: 1979 AC.

R 408.12190
Source: 2018 AACS.

R 408.12191
Source: 1979 AC.

R 408.12192
Source: 1979 AC.

R 408.12193
Source: 1979 AC.

PART 22. TRACTORS

R 408.12201
Source: 1979 AC.

R 408.12202
Source: 2013 AACS.

R 408.12203
Source: 1979 AC.

R 408.12205
Source: 1979 AC.

R 408.12206
Source: 1979 AC.

R 408.12207
Source: 1979 AC.

R 408.12211
Source: 1979 AC.

R 408.12212
Source: 1979 AC.

R 408.12213
Source: 1979 AC.

R 408.12214
Source: 1979 AC.

R 408.12215

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Source: 1979 AC.

R 408.12216

Source: 2013 AACS.

R 408.12217

Source: 2013 AACS.

R 408.12218

Source: 2013 AACS.

R 408.12219

Source: 1979 AC.

R 408.12220

Source: 2013 AACS.

R 408.12231

Source: 2013 AACS.

R 408.12232

Source: 1979 AC.

R 408.12233

Source: 1979 AC.

R 408.12234

Source: 1979 AC.

R 408.12235

Source: 1979 AC.

R 408.12236

Source: 1979 AC.

R 408.12237

Source: 1979 AC.

R 408.12238

Source: 1979 AC.

R 408.12239

Source: 1979 AC.

R 408.12240

Source: 1979 AC.

R 408.12241

Source: 1979 AC.

R 408.12242

Source: 2013 AACS.

R 408.12243

Source: 1979 AC.

R 408.12251

Annual Administrative Code Supplement
2021 Edition

Source: 1979 AC.

R 408.12252

Source: 1979 AC.

R 408.12253

Source: 1979 AC.

R 408.12254

Source: 1979 AC.

R 408.12255

Source: 1979 AC.

R 408.12259

Source: 1979 AC.

R 408.12260

Source: 1979 AC.

R 408.12261

Source: 1979 AC.

PART 23. HYDRAULIC POWER PRESSES

R 408.12301

Source: 1979 AC.

R 408.12303

Source: 1979 AC.

R 408.12304

Source: 1979 AC.

R 408.12305

Source: 1979 AC.

R 408.12306

Source: 1979 AC.

R 408.12307

Source: 1979 AC.

R 408.12308

Source: 1979 AC.

R 408.12309

Source: 1979 AC.

R 408.12310

Source: 1979 AC.

R 408.12311

Source: 1979 AC.

R 408.12312

Source: 1979 AC.

R 408.12316

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Source: 1979 AC.

R 408.12321

Source: 1979 AC.

R 408.12322

Source: 1979 AC.

R 408.12323

Source: 1979 AC.

R 408.12324

Source: 1979 AC.

R 408.12325

Source: 1979 AC.

R 408.12326

Source: 1979 AC.

R 408.12327

Source: 1979 AC.

R 408.12331

Source: 1979 AC.

R 408.12332

Source: 1979 AC.

R 408.12334

Source: 1979 AC.

R 408.12336

Source: 1997 AACS.

R 408.12338

Source: 1979 AC.

R 408.12341

Source: 1979 AC.

R 408.12343

Source: 1979 AC.

R 408.12344

Source: 1979 AC.

R 408.12345

Source: 1979 AC.

R 408.12351

Source: 1979 AC.

R 408.12353

Source: 1979 AC.

R 408.12355

Source: 1979 AC.

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R 408.12356
Source: 1979 AC.

R 408.12361
Source: 1979 AC.

R 408.12363
Source: 1979 AC.

R 408.12365
Source: 1979 AC.

R 408.12366
Source: 1979 AC.

R 408.12367
Source: 1979 AC.

R 408.12369
Source: 1979 AC.

R 408.12370
Source: 1979 AC.

R 408.12371
Source: 1979 AC.

R 408.12372
Source: 1979 AC.

R 408.12373
Source: 1979 AC.

PART 24. MECHANICAL POWER PRESSES

R 408.12401
Source: 2016 AACS.

R 408.12402
Source: 2016 AACS.

R 408.12403
Source: 2016 AACS.

R 408.12404
Source: 1990 AACS.

R 408.12405
Source: 1979 AC.

R 408.12406
Source: 1979 AC.

R 408.12407
Source: 2016 AACS.

R 408.12408

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Source: 2016 AACS.

R 408.12409

Source: 1979 AC.

R 408.12411

Source: 2016 AACS.

R 408.12412

Source: 2016 AACS.

R 408.12413

Source: 2016 AACS.

R 408.12421

Source: 1979 AC.

R 408.12422

Source: 1979 AC.

R 408.12423

Source: 1979 AC.

R 408.12424

Source: 1979 AC.

R 408.12425

Source: 2016 AACS.

R 408.12426

Source: 1979 AC.

R 408.12427

Source: 1979 AC.

R 408.12428

Source: 2016 AACS.

R 408.12429

Source: 1979 AC.

R 408.12431

Source: 1979 AC.

R 408.12432

Source: 1979 AC.

R 408.12433

Source: 2016 AACS.

R 408.12434

Source: 1979 AC.

R 408.12441

Source: 1979 AC.

R 408.12442

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Source: 2016 AACS.

R 408.12443

Source: 1990 AACS.

R 408.12444

Source: 1979 AC.

R 408.12445

Source: 1979 AC.

R 408.12446

Source: 1979 AC.

R 408.12447

Source: 1979 AC.

R 408.12448

Source: 1979 AC.

R 408.12449

Source: 1979 AC.

R 408.12450

Source: 1979 AC.

R 408.12451

Source: 2016 AACS.

R 408.12452

Source: 1979 AC.

R 408.12453

Source: 1979 AC.

R 408.12454

Source: 1979 AC.

SAFEGUARDING THE POINT OF OPERATION

R 408.12461

Source: 2016 AACS.

R 408.12462

Source: 1979 AC.

R 408.12463

Source: 2016 AACS.

R 408.12464

Source: 2016 AACS.

DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING

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R 408.12471
Source: 2016 AACS.

R 408.12472
Source: 1990 AACS.

R 408.12473
Source: 1990 AACS.

R 408.12474
Source: 1990 AACS.

R 408.12475
Source: 2016 AACS.

R 408.12476
Source: 1979 AC.

R 408.12477
Source: 1990 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 25. MANLIFTS

R 408.12501
Source: 2018 AACS.

R 408.12505
Source: 2016 AACS.

R 408.12510
Source: 2018 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 26. METALWORKING MACHINERY

R 408.12601
Source: 1979 AC.

R 408.12602
Source: 1979 AC.

R 408.12603
Source: 1979 AC.

R 408.12604
Source: 1979 AC.

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R 408.12605
Source: 1991 AACS.

R 408.12606
Source: 1979 AC.

R 408.12607
Source: 1991 AACS.

R 408.12608
Source: 1979 AC.

R 408.12611
Source: 1979 AC.

R 408.12612
Source: 1979 AC.

R 408.12613
Source: 1997 AACS.

R 408.12614
Source: 1991 AACS.

R 408.12615
Source: 1997 AACS.

R 408.12616
Source: 2019 AACS.

R 408.12617
Source: 1997 AACS.

R 408.12618
Source: 1979 AC.

R 408.12619
Source: 1979 AC.

R 408.12620
Source: 1991 AACS.

R 408.12622
Source: 1979 AC.

SPECIFIC EQUIPMENT

R 408.12631
Source: 2019 AACS.

R 408.12632
Source: 1979 AC.

R 408.12633
Source: 2019 AACS.

R 408.12634
Source: 1979 AC.

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R 408.12635
Source: 1991 AACS.

R 408.12636
Source: 1991 AACS.

R 408.12637
Source: 1979 AC.

R 408.12638
Source: 2019 AACS.

R 408.12639
Source: 2019 AACS.

R 408.12640
Source: 1991 AACS.

R 408.12641
Source: 1991 AACS.

R 408.12642
Source: 2019 AACS.

R 408.12643
Source: 1979 AC.

R 408.12644
Source: 1979 AC.

R 408.12645
Source: 1979 AC.

R 408.12646
Source: 1991 AACS.

R 408.12647
Source: 1979 AC.

R 408.12648
Source: 1979 AC.

R 408.12649
Source: 1979 AC.

R 408.12650
Source: 1991 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 27. WOODWORKING MACHINERY

R 408.12701

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Source: 2018 AACCS.

R 408.12702

Source: 2018 AACCS.

R 408.12705

Source: 1979 AC.

R 408.12706

Source: 1979 AC.

R 408.12707

Source: 1979 AC.

R 408.12708

Source: 1979 AC.

R 408.12709

Source: 1979 AC.

R 408.12711

Source: 2018 AACCS.

R 408.12712

Source: 2013 AACCS.

R 408.12714

Source: 2018 AACCS.

R 408.12715

Source: 1997 AACCS.

R 408.12716

Source: 2013 AACCS.

R 408.12717

Source: 2018 AACCS.

R 408.12718

Source: 1981 AACCS.

R 408.12719

Source: 2018 AACCS.

R 408.12720

Source: 1979 AC.

R 408.12721

Source: 1979 AC.

R 408.12722

Source: 1979 AC.

R 408.12723

Source: 1979 AC.

R 408.12724

Source: 2018 AACCS.

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R 408.12725
Source: 1979 AC.

R 408.12726
Source: 2018 AACS.

R 408.12727
Source: 2018 AACS.

R 408.12728
Source: 2018 AACS.

R 408.12729
Source: 1979 AC.

R 408.12730
Source: 2018 AACS.

R 408.12731
Source: 1979 AC.

R 408.12732
Source: 1979 AC.

R 408.12733
Source: 2018 AACS.

R 408.12736
Source: 2018 AACS.

R 408.12737
Source: 1979 AC.

R 408.12739
Source: 2018 AACS.

R 408.12740
Source: 2013 AACS.

R 408.12741
Source: 2018 AACS.

R 408.12742
Source: 1979 AC.

R 408.12744
Source: 1979 AC.

R 408.12751
Source: 1981 AACS.

R 408.12752
Source: 1979 AC.

R 408.12755
Source: 2018 AACS.

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R 408.12756

Source: 1979 AC.

R 408.12759

Source: 2018 AACS.

R 408.12761

Source: 1979 AC.

R 408.12762

Source: 1979 AC.

R 408.12763

Source: 1979 AC.

R 408.12767

Source: 2018 AACS.

R 408.12768

Source: 1979 AC.

R 408.12769

Source: 1979 AC.

R 408.12770

Source: 1979 AC.

R 408.12773

Source: 2018 AACS.

R 408.12774

Source: 2013 AACS.

R 408.12776

Source: 1979 AC.

R 408.12779

Source: 2013 AACS.

R 408.12781

Source: 2018 AACS.

VENEER MACHINES

R 408.12784

Source: 2018 AACS.

R 408.12785

Source: 1979 AC.

R 408.12786

Source: 1979 AC.

R 408.12787

Source: 1979 AC.

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R 408.12791
Source: 2013 AACS.

R 408.12792
Source: 2018 AACS.

R 408.12793
Source: 2018 AACS.

R 408.12794
Source: 1979 AC.

R 408.12795
Source: 1979 AC.

R 408.12796
Source: 1979 AC.

R 408.12797
Source: 1979 AC.

R 408.12798
Source: 2018 AACS.

R 408.12799
Source: 2013 AACS.

PART 31. PERSONAL PROTECTIVE EQUIPMENT

R 408.13101
Source: 1997 AACS.

R 408.13102
Source: 1997 AACS.

R 408.13103
Source: 1997 AACS.

R 408.13104
Source: 1997 AACS.

R 408.13105
Source: 1997 AACS.

R 408.13106
Source: 1997 AACS.

R 408.13107
Source: 1997 AACS.

R 408.13108
Source: 1997 AACS.

R 408.13109
Source: 1997 AACS.

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R 408.13110
Source: 1997 AACS.

R 408.13111
Source: 1997 AACS.

R 408.13112
Source: 1997 AACS.

R 408.13113
Source: 1997 AACS.

R 408.13114
Source: 1997 AACS.

R 408.13115
Source: 1997 AACS.

R 408.13116
Source: 1997 AACS.

R 408.13117
Source: 1997 AACS.

R 408.13118
Source: 1997 AACS.

R 408.13119
Source: 1997 AACS.

R 408.13120
Source: 1997 AACS.

R 408.13121
Source: 1997 AACS.

R 408.13122
Source: 1997 AACS.

R 408.13123
Source: 1997 AACS.

R 408.13124
Source: 1997 AACS.

R 408.13125
Source: 1997 AACS.

R 408.13126
Source: 1997 AACS.

R 408.13127
Source: 1997 AACS.

R 408.13128
Source: 1997 AACS.

R 408.13129

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Source: 1997 AACS.

R 408.13130

Source: 1997 AACS.

R 408.13131

Source: 1997 AACS.

R 408.13132

Source: 1997 AACS.

R 408.13133

Source: 1997 AACS.

R 408.13134

Source: 1997 AACS.

R 408.13135

Source: 1997 AACS.

PART 32. HEAD PROTECTION EQUIPMENT

R 408.13201

Source: 1997 AACS.

R 408.13203

Source: 1997 AACS.

R 408.13205

Source: 1997 AACS.

R 408.13211

Source: 1997 AACS.

R 408.13221

Source: 1997 AACS.

R 408.13222

Source: 1997 AACS.

R 408.13231

Source: 1997 AACS.

R 408.13241

Source: 1997 AACS.

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PART 33. PERSONAL PROTECTIVE EQUIPMENT

R 408.13301

Source: 2018 AACS.

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R 408.13301a
Source: 2018 AACCS.

R 408.13302
Source: 2018 AACCS.

R 408.13303
Source: 2018 AACCS.

R 408.13304
Source: 2016 AACCS.

R 408.13305
Source: 2018 AACCS.

R 408.13306
Source: 2018 AACCS.

R 408.13308
Source: 2014 AACCS.

R 408.13309
Source: 2014 AACCS.

R 408.13310
Source: 2014 AACCS.

R 408.13310a
Source: 2014 AACCS.

R 408.13311
Source: 2018 AACCS.

R 408.13312
Source: 2014 AACCS.

R 408.13312a
Source: 2014 AACCS.

R 408.13313
Source: 1983 AACCS.

R 408.13320
Source: 1983 AACCS.

R 408.13321
Source: 2016 AACCS.

R 408.13322
Source: 2016 AACCS.

R 408.13323
Source: 1983 AACCS.

R 408.13324
Source: 2016 AACCS.

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R 408.13325
Source: 2018 AACCS.

R 408.13327
Source: 2016 AACCS.

R 408.13329
Source: 2018 AACCS.

R 408.13330
Source: 2016 AACCS.

R 408.13332
Source: 1983 AACCS.

R 408.13340
Source: 1983 AACCS.

R 408.13342
Source: 2016 AACCS.

R 408.13343
Source: 1983 AACCS.

R 408.13344
Source: 2018 AACCS.

R 408.13345
Source: 2016 AACCS.

R 408.13346
Source: 2016 AACCS.

R 408.13347
Source: 2016 AACCS.

R 408.13350
Source: 1997 AACCS.

R 408.13352
Source: 2016 AACCS.

R 408.13353
Source: 2016 AACCS.

R 408.13355
Source: 2018 AACCS.

R 408.13356
Source: 1983 AACCS.

R 408.13357
Source: 1983 AACCS.

R 408.13359
Source: 1983 AACCS.

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R 408.13360
Source: 2016 AACS.

R 408.13362
Source: 2016 AACS.

R 408.13363
Source: 1983 AACS.

R 408.13364
Source: 1983 AACS.

R 408.13366
Source: 2016 AACS.

R 408.13367
Source: 2018 AACS.

R 408.13369
Source: 2014 AACS.

R 408.13370
Source: 2014 AACS.

R 408.13372
Source: 2014 AACS.

R 408.13375
Source: 2016 AACS.

R 408.13376
Source: 2014 AACS.

R 408.13378
Source: 2014 AACS.

R 408.13383
Source: 2014 AACS.

R 408.13384
Source: 1983 AACS.

R 408.13385
Source: 2015 AACS.

R 408.13386
Source: 2014 AACS.

R 408.13387
Source: 2018 AACS.

R 408.13387a
Source: 2015 AACS.

R 408.13388

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Source: 2015 AACS.

R 408.13389

Source: 2016 AACS.

R 408.13390

Source: 2018 AACS.

R 408.13392

Source: 2014 AACS.

R 408.13393

Source: 2014 AACS.

R 408.13394

Source: 2014 AACS.

R 408.13395a

Source: 2018 AACS.

R 408.13395b

Source: 2018 AACS.

R 408.13395c

Source: 2018 AACS.

R 408.13395d

Source: 2018 AACS.

R 408.13395e

Source: 2018 AACS.

R 408.13395f

Source: 2018 AACS.

R 408.13395g

Source: 2018 AACS.

R 408.13398

Source: 2014 AACS.

R 408.13501

Source: 1997 AACS.

R 408.13503

Source: 1997 AACS.

R 408.13504

Source: 1997 AACS.

R 408.13505

Source: 1997 AACS.

R 408.13506

Source: 1997 AACS.

R 408.13508

Annual Administrative Code Supplement
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Source: 1997 AACS.

R 408.13511

Source: 1997 AACS.

R 408.13512

Source: 1997 AACS.

R 408.13513

Source: 1997 AACS.

R 408.13514

Source: 1997 AACS.

R 408.13521

Source: 1997 AACS.

R 408.13522

Source: 1997 AACS.

R 408.13523

Source: 1997 AACS.

R 408.13524

Source: 1997 AACS.

R 408.13525

Source: 1997 AACS.

R 408.13526

Source: 1997 AACS.

R 408.13528

Source: 1997 AACS.

R 408.13530

Source: 1997 AACS.

R 408.13531

Source: 1997 AACS.

R 408.13533

Source: 1997 AACS.

R 408.13541

Source: 1997 AACS.

R 408.13542

Source: 1997 AACS.

R 408.13543

Source: 1997 AACS.

R 408.13544

Source: 1997 AACS.

R 408.13545

Source: 1997 AACS.

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R 408.13546
Source: 1997 AACS.

R 408.13547
Source: 1997 AACS.

R 408.13551
Source: 1997 AACS.

R 408.13552
Source: 1997 AACS.

R 408.13553
Source: 1997 AACS.

R 408.13555
Source: 1997 AACS.

R 408.13556
Source: 1997 AACS.

R 408.13557
Source: 1997 AACS.

R 408.13559
Source: 1997 AACS.

R 408.13560
Source: 1997 AACS.

R 408.13562
Source: 1997 AACS.

R 408.13563
Source: 1997 AACS.

R 408.13564
Source: 1997 AACS.

R 408.13566
Source: 1997 AACS.

R 408.13567
Source: 1997 AACS.

R 408.13569
Source: 1997 AACS.

PART 37. ACCIDENT PREVENTION SIGNS AND TAGS

TAGS

R 408.13701
Source: 2014 AACS.

R 408.13702

Annual Administrative Code Supplement
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Source: 1979 AC.

R 408.13703

Source: 2014 AACs.

R 408.13704

Source: 2014 AACs.

R 408.13705

Source: 2014 AACs.

R 408.13706

Source: 1979 AC.

R 408.13707

Source: 2014 AACs.

R 408.13708

Source: 1983 AACs.

R 408.13709

Source: 1979 AC.

R 408.13711

Source: 2014 AACs.

R 408.13713

Source: 1983 AACs.

R 408.13714

Source: 2014 AACs.

R 408.13715

Source: 1983 AACs.

R 408.13716

Source: 1983 AACs.

R 408.13717

Source: 1997 AACs.

R 408.13718

Source: 1997 AACs.

R 408.13721

Source: 2014 AACs.

R 408.13722

Source: 1997 AACs.

R 408.13723

Source: 2014 AACs.

R 408.13724

Source: 2014 AACs.

R 408.13731

Source: 2014 AACs.

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R 408.13731a
Source: 2014 AACS.

R 408.13732
Source: 1983 AACS.

R 408.13733
Source: 2014 AACS.

R 408.13734
Source: 2014 AACS.

R 408.13734a
Source: 2014 AACS.

R 408.13735
Source: 1983 AACS.

R 408.13736
Source: 1997 AACS.

R 408.13737
Source: 2014 AACS.

R 408.13738
Source: 2014 AACS.

Rule 4501
Source: 2014 AACS.

PART 38. HAND AND PORTABLE POWERED TOOLS

R 408.13801
Source: 1979 AC.

R 408.13802
Source: 2013 AACS.

R 408.13804
Source: 1979 AC.

R 408.13805
Source: 1979 AC.

R 408.13806
Source: 1979 AC.

R 408.13807
Source: 1979 AC.

R 408.13808
Source: 1979 AC.

R 408.13811
Source: 2013 AACS.

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R 408.13812
Source: 2013 AACS.

R 408.13821
Source: 1983 AACS.

R 408.13822
Source: 2013 AACS.

R 408.13823
Source: 1983 AACS.

R 408.13824
Source: 1979 AC.

R 408.13831
Source: 1979 AC.

R 408.13832
Source: 1997 AACS.

R 408.13833
Source: 1979 AC.

R 408.13834
Source: 1979 AC.

R 408.13835
Source: 1979 AC.

R 408.13836
Source: 1979 AC.

R 408.13838
Source: 1979 AC.

R 408.13839
Source: 1979 AC.

R 408.13840
Source: 1979 AC.

R 408.13841
Source: 1979 AC.

R 408.13843
Source: 1979 AC.

R 408.13844
Source: 1979 AC.

R 408.13845
Source: 1979 AC.

R 408.13846
Source: 1979 AC.

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R 408.13847
Source: 2013 AACS.

R 408.13861
Source: 1983 AACS.

R 408.13863
Source: 1979 AC.

R 408.13864
Source: 1979 AC.

R 408.13865
Source: 2013 AACS.

R 408.13866
Source: 1979 AC.

R 408.13871
Source: 2013 AACS.

R 408.13872
Source: 1983 AACS.

R 408.13873
Source: 1983 AACS.

R 408.13874
Source: 1983 AACS.

R 408.13875
Source: 1983 AACS.

R 408.13876
Source: 1997 AACS.

R 408.13881
Source: 2013 AACS.

R 408.13882
Source: 1993 AACS.

PART 39. DESIGN SAFETY STANDARDS FOR ELECTRICAL SYSTEMS

R 408.13901
Source: 2015 AACS.

R 408.13902
Source: 2015 AACS.

R 408.13905
Source: 2015 AACS.

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DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 40. SAFETY-RELATED WORK PRACTICES

R 408.14001
Source: 2018 AACS.

R 408.14001a
Source: 2018 AACS.

R 408.14001b
Source: 2018 AACS.

R 408.14002
Source: 2018 AACS.

R 408.14003
Source: 2018 AACS.

R 408.14004
Source: 2018 AACS.

R 408.14005
Source: 2018 AACS.

R 408.14006
Source: 2018 AACS.

R 408.14007
Source: 2018 AACS.

R 408.14008
Source: 2018 AACS.

R 408.14009
Source: 2018 AACS.

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PART 42. FORGING

GENERAL PROVISIONS

R 408.14201
Source: 1979 AC.

R 408.14203
Source: 1979 AC.

R 408.14204
Source: 1989 AACS.

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- R 408.14205**
Source: 1979 AC.
- R 408.14207**
Source: 1979 AC.
- R 408.14208**
Source: 1979 AC.
- R 408.14221**
Source: 1997 AACS.
- R 408.14222**
Source: 1979 AC.
- R 408.14223**
Source: 1979 AC.
- R 408.14224**
Source: 1979 AC.
- R 408.14225**
Source: 1997 AACS.
- R 408.14226**
Source: 1979 AC.
- R 408.14227**
Source: 1979 AC.
- R 408.14231**
Source: 2013 AACS.
- R 408.14232**
Source: 1989 AACS.
- R 408.14241**
Source: 1979 AC.
- R 408.14242**
Source: 1979 AC.
- R 408.14243**
Source: 1979 AC.
- R 408.14244**
Source: 1979 AC.
- R 408.14245**
Source: 1979 AC.
- R 408.14246**
Source: 2013 AACS.
- R 408.14247**
Source: 1979 AC.
- R 408.14248**

Annual Administrative Code Supplement
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Source: 1979 AC.

R 408.14249

Source: 2019 AACS.

R 408.14251

Source: 1979 AC.

R 408.14252

Source: 1979 AC.

R 408.14261

Source: 1979 AC.

R 408.14263

Source: 2013 AACS.

R 408.14265

Source: 1979 AC.

R 408.14267

Source: 2013 AACS.

R 408.14268

Source: 1979 AC.

R 408.14269

Source: 2013 AACS.

R 408.14271

Source: 1979 AC.

R 408.14273

Source: 2013 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 44. FOUNDRIES

R 408.14401

Source: 1979 AC.

R 408.14405

Source: 1979 AC.

R 408.14406

Source: 1979 AC.

R 408.14407

Source: 1979 AC.

R 408.14408

Source: 1979 AC.

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- R 408.14409**
Source: 1979 AC.
- R 408.14421**
Source: 1988 AACS.
- R 408.14423**
Source: 1997 AACS.
- R 408.14425**
Source: 1997 AACS.
- R 408.14426**
Source: 1997 AACS.
- R 408.14427**
Source: 1997 AACS.
- R 408.14431**
Source: 1997 AACS.
- R 408.14433**
Source: 2019 AACS.
- R 408.14434**
Source: 1979 AC.
- R 408.14436**
Source: 2019 AACS.
- R 408.14438**
Source: 1997 AACS.
- R 408.14439**
Source: 1979 AC.
- R 408.14441**
Source: 1979 AC.
- R 408.14443**
Source: 1979 AC.
- R 408.14445**
Source: 1979 AC.
- R 408.14447**
Source: 1997 AACS.
- R 408.14448**
Source: 1979 AC.
- R 408.14451**
Source: 2013 AACS.
- R 408.14453**
Source: 1979 AC.
- R 408.14455**

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Source: 1979 AC.

R 408.14457

Source: 1979 AC.

R 408.14461

Source: 1988 AACS.

R 408.14463

Source: 1988 AACS.

R 408.14465

Source: 2019 AACS.

R 408.14466

Source: 1988 AACS.

R 408.14468

Source: 1979 AC.

R 408.14471

Source: 1988 AACS.

R 408.14473

Source: 1979 AC.

R 408.14474

Source: 1997 AACS.

R 408.14475

Source: 1979 AC.

R 408.14476

Source: 2013 AACS.

R 408.14477

Source: 1997 AACS.

R 408.14478

Source: 1988 AACS.

R 408.14479

Source: 1997 AACS.

R 408.14481

Source: 1997 AACS.

R 408.14483

Source: 1997 AACS.

R 408.14485

Source: 1997 AACS.

R 408.14486

Source: 1997 AACS.

R 408.14488

Source: 1988 AACS.

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- R 408.14491**
Source: 1979 AC.
- R 408.14492**
Source: 1988 AACS.
- R 408.14493**
Source: 2019 AACS.
- R 408.14494**
Source: 1997 AACS.
- R 408.14495**
Source: 1979 AC.
- R 408.14496**
Source: 1997 AACS.
- R 408.14497**
Source: 1979 AC.
- R 408.14498**
Source: 1979 AC.

PART 45. DIE CASTING

- R 408.14501**
Source: 1979 AC.
- R 408.14502**
Source: 2015 AACS.
- R 408.14503**
Source: 1979 AC.
- R 408.14504**
Source: 1979 AC.
- R 408.14505**
Source: 1979 AC.
- R 408.14507**
Source: 2013 AACS.
- R 408.14508**
Source: 1979 AC.
- R 408.14511**
Source: 2015 AACS.
- R 408.14513**
Source: 1979 AC.
- R 408.14515**
Source: 1997 AACS.

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R 408.14517
Source: 1997 AACS.

EQUIPMENT INSTALLATION AND MAINTENANCE

R 408.14521
Source: 2013 AACS.

R 408.14522
Source: 2015 AACS.

R 408.14523
Source: 1979 AC.

R 408.14525
Source: 1979 AC.

R 408.14527
Source: 2015 AACS.

R 408.14533
Source: 1979 AC.

R 408.14535
Source: 2013 AACS.

R 408.14541
Source: 1979 AC.

R 408.14543
Source: 1979 AC.

R 408.14544
Source: 1979 AC.

R 408.14545
Source: 1979 AC.

R 408.14551
Source: 1979 AC.

R 408.14552
Source: 1979 AC.

R 408.14553
Source: 1979 AC.

R 408.14554
Source: 1979 AC.

R 408.14555
Source: 2015 AACS.

R 408.14561
Source: 1979 AC.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 49. SLINGS

R 408.14901 Scope and adoption of standard.

Rule 4901. (1) This part sets forth the requirements for slings and their construction, care, and use in, around, and about a place of employment. Types of slings included in this part are chain, wire rope, metal mesh, 3-strand natural or synthetic rope, and synthetic web made from nylon, polyester, and polypropylene.

(2) The following standard is adopted by reference in these rules, American Society of Mechanical Engineers Standard ASME B-30.9 "Slings," 1990 edition. This standard may be purchased from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com> at a cost as of the time of adoption of these amendments of \$60.00.

(3) The standard adopted in subrule (2) of this rule is also available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(4) Copies of the standard adopted in subrule (2) of this rule may be obtained from the publisher or may also be obtained from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

History: 1979 AC; 2021 MR 9, Eff. May 13, 2021.

R 408.14902 Rescinded.

History: 2014 AACS; 2021 MR 9, Eff. May 13, 2021.

R 408.14903

Source: 1979 AC.

R 408.14904

Source: 2014 AACS.

R 408.14905

Source: 2014 AACS.

R 408.14906

Source: 2014 AACS.

R 408.14907

Source: 1979 AC.

R 408.14908

Source: 2014 AACS.

R 408.14911

Source: 2014 AACS.

R 408.14912

Source: 1979 AC.

R 408.14913

Source: 1998-2000 AACS.

R 408.14921

Source: 2014 AACS.

R 408.14922

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Source: 2014 AACs.

R 408.14923 Inspections; records; removal from service; proof testing.

Rule 4923. (1) In addition to the inspection prescribed by R 408.14912, an employer shall designate an employee to make a thorough periodic inspection of an alloy steel chain sling in use on a regular basis. An employer shall determine the regularity of inspection based on all of the following factors:

- (a) Frequency of sling use.
- (b) Severity of service conditions.
- (c) Nature of lifts being made.
- (d) Experience gained on the service life of slings used in similar circumstances.

The designated employee shall inspect an alloy steel chain sling at least once every 12 months.

(2) The employer shall make and maintain a record of the most recent month in which each alloy steel chain sling was thoroughly inspected and shall make the record available for examination.

(3) The employee designated to make the inspection of an alloy steel chain sling shall make a thorough inspection for all of the following:

- (a) Wear.
- (b) Defective welds.
- (c) Deformation.
- (d) An increase in length beyond acceptable limits established in this part.

If the defects or deteriorations are present, then the designated employee shall immediately remove the sling from service.

(4) The employer shall ensure that, before use, each new, repaired, or reconditioned alloy steel chain sling, including all welded components in the sling assembly, is proof-tested by the sling manufacturer in accordance with ASME B-30.9 "Slings," 1990 edition, as adopted in R 408.14901.

(5) The employer shall retain a certificate of the proof test and shall make it available for examination.

(6) If the chain size at any point of the link is less than that stated in Table 1, the employer shall remove the chain from service.

TABLE 1
MINIMUM ALLOWABLE CHAIN SIZE AT ANY POINT OF LINK

Chain size (inches)	Minimum allowable chain size (inches)
1/4	13/64
3/8	19/64
1/2	25/64
5/8	31/64
3/4	19/32
7/8	45/64
1	13/16
1 1/8	29/32
1 1/4	1
1 3/8	1-3/32
1 1/2	1-3/16
1 3/4	1-13/32

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History: 1979 AC; 1998-2000 AACS; 2014 AACS; 2021 MR 9, Eff. May 13, 2021.

R 408.14924

Source: 2014 AACS.

R 408.14925

Source: 2014 AACS.

R 408.14926

Source: 2014 AACS.

WIRE ROPE SLINGS

R 408.14931

Source: 2014 AACS.

R 408.14932

Source: 2014 AACS.

R 408.14933

Source: 2014 AACS.

R 408.14934

Source: 2014 AACS.

R 408.14935

Source: 2014 AACS.

METAL MESH SLINGS

R 408.14941

Source: 2014 AACS.

R 408.14942

Source: 2014 AACS.

R 408.14943

Source: 2014 AACS.

R 408.14944

Source: 2014 AACS.

R 408.14945

Source: 2014 AACS.

NATURAL AND SYNTHETIC FIBER ROPE SLINGS

R 408.14951

Source: 2014 AACS.

R 408.14952

Source: 2014 AACS.

R 408.14953

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Source: 2014 AACS.

R 408.14954

Source: 2014 AACS.

SYNTHETIC WEB SLINGS

R 408.14961

Source: 2014 AACS.

R 408.14962

Source: 2014 AACS.

R 408.14963

Source: 2014 AACS.

R 408.14964

Source: 2014 AACS.

R 408.14965

Source: 2014 AACS.

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GENERAL INDUSTRY SAFETY STANDARDS

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 50. TELECOMMUNICATIONS

R 408.15001

Source: 2018 AACS.

R 408.15002

Source: 2015 AACS.

R 408.15003

Source: 2018 AACS.

R 408.15004

Source: 2018 AACS.

R 408.15005

Source: 1979 AC.

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GENERAL INDUSTRY SAFETY STANDARDS

PART 51. LOGGING
GENERAL PROVISIONS

R 408.15101
Source: 1996 AACs.

R 408.15102
Source: 2017 AACs.

R 408.15106
Source: 1996 AACs.

R 408.15107
Source: 1996 AACs.

R 408.15108
Source: 1996 AACs.

EMPLOYER-EMPLOYEE RESPONSIBILITIES

R 408.15111
Source: 2017 AACs.

R 408.15112
Source: 2014 AACs.

R 408.15113
Source: 1989 AACs.

R 408.15114
Source: 2017 AACs.

R 408.15116
Source: 1989 AACs.

R 408.15117
Source: 2017 AACs.

R 408.15117a
Source: 2017 AACs.

R 408.15117b
Source: 2017 AACs.

R 408.15118
Source: 2014 AACs.

R 408.15119
Source: 2014 AACs.

PROTECTIVE CLOTHING

R 408.15120
Source: 2017 AACs.

R 408.15121

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Source: 1979 AC.

R 408.15122

Source: 2014 AACS.

R 408.15123

Source: 2014 AACS.

R 408.15124

Source: 1996 AACS.

R 408.15125

Source: 2017 AACS.

R 408.15126

Source: 1974 AC.

R 408.15127

Source: 2017 AACS.

PROTECTIVE EQUIPMENT

HAND-HELD CHAIN SAWS

R 408.15130

Source: 2017 AACS.

R 408.15131

Source: 2017 AACS.

R 408.15132

Source: 1997 AACS.

R 408.15133

Source: 1997 AACS.

R 408.15134

Source: 1997 AACS.

R 408.15135

Source: 1997 AACS.

R 408.15136

Source: 2014 AACS.

OTHER SAWS

R 408.15137

Source: 1989 AACS.

R 408.15138

Source: 1989 AACS.

LOGGING EQUIPMENT

R 408.15141

Source: 1979 AC.

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R 408.15142
Source: 1996 AACCS.

R 408.15143
Source: 1989 AACCS.

R 408.15144
Source: 2017 AACCS.

R 408.15145
Source: 1989 AACCS.

R 408.15146
Source: 2017 AACCS.

R 408.15146a
Source: 2017 AACCS.

R 408.15146b
Source: 2017 AACCS.

R 408.15147
Source: 1997 AACCS.

R 408.15148
Source: 2017 AACCS.

R 408.15149
Source: 2014 AACCS.

R 408.15150
Source: 2017 AACCS.

FELLING, LIMBING, BUCKING, AND SKIDDING

R 408.15151
Source: 1996 AACCS.

R 408.15152
Source: 1979 AC.

R 408.15153
Source: 1989 AACCS.

R 408.15154
Source: 1989 AACCS.

R 408.15155
Source: 1996 AACCS.

R 408.15156
Source: 1996 AACCS.

R 408.15157
Source: 1996 AACCS.

R 408.15158

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Source: 1996 AACS.

R 408.15159

Source: 1997 AACS.

LOADING AND DECKING

R 408.15161

Source: 1997 AACS.

R 408.15162

Source: 1997 AACS.

R 408.15163

Source: 1997 AACS.

R 408.15164

Source: 1997 AACS.

R 408.15165

Source: 2017 AACS.

R 408.15166

Source: 1979 AC.

R 408.15167

Source: 2014 AACS.

TRUCK EQUIPMENT AND OPERATION

R 408.15171

Source: 1997 AACS.

R 408.15172

Source: 1979 AC.

R 408.15173

Source: 1997 AACS.

R 408.15174

Source: 1997 AACS.

R 408.15175

Source: 1996 AACS.

R 408.15180

Source: 1989 AACS.

R 408.15181

Source: 1989 AACS.

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PART 52. SAWMILLS

R 408.15201
Source: 2018 AACS.

R 408.15202
Source: 2014 AACS.

R 408.15203
Source: 1989 AACS.

R 408.15204
Source: 1989 AACS.

R 408.15205
Source: 2014 AACS.

R 408.15206
Source: 1979 AC.

R 408.15207
Source: 1989 AACS.

R 408.15208
Source: 1979 AC.

R 408.15209
Source: 2018 AACS.

R 408.15211
Source: 2018 AACS.

R 408.15212
Source: 1989 AACS.

R 408.15212a
Source: 2018 AACS.

R 408.15213
Source: 1979 AC.

R 408.15221
Source: 2014 AACS.

R 408.15222
Source: 2018 AACS.

R 408.15223
Source: 2014 AACS.

R 408.15224
Source: 1979 AC.

R 408.15225
Source: 2018 AACS.

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R 408.15226
Source: 2018 AACCS.

R 408.15227
Source: 1979 AC.

R 408.15228
Source: 1979 AC.

R 408.15229
Source: 2018 AACCS.

R 408.15230
Source: 1979 AC.

R 408.15231
Source: 2018 AACCS.

R 408.15232
Source: 1989 AACCS.

R 408.15233
Source: 1989 AACCS.

R 408.15234
Source: 1989 AACCS.

R 408.15241
Source: 1989 AACCS.

R 408.15242
Source: 1989 AACCS.

R 408.15243
Source: 2014 AACCS.

R 408.15244
Source: 2014 AACCS.

R 408.15245
Source: 1979 AC.

R 408.15246
Source: 1989 AACCS.

R 408.15247
Source: 1989 AACCS.

R 408.15251
Source: 2018 AACCS.

R 408.15252
Source: 2014 AACCS.

R 408.15253
Source: 1979 AC.

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R 408.15254
Source: 2018 AACS.

R 408.15261
Source: 2018 AACS.

R 408.15262
Source: 1989 AACS.

R 408.15271
Source: 2018 AACS.

R 408.15272
Source: 1979 AC.

R 408.15273
Source: 2018 AACS.

R 408.15274
Source: 1983 AACS.

R 408.15275
Source: 2018 AACS.

R 408.15276
Source: 1979 AC.

R 408.15277
Source: 1989 AACS.

R 408.15280
Source: 2014 AACS.

R 408.15282
Source: 2014 AACS.

R 408.15284
Source: 2014 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 53. TREE TRIMMING AND REMOVAL

R 408.15301
Source: 1979 AC.

R 408.15303
Source: 1979 AC.

R 408.15304
Source: 1979 AC.

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R 408.15311
Source: 1979 AC.

R 408.15312
Source: 1979 AC.

R 408.15313
Source: 1983 AACS.

R 408.15314
Source: 1979 AC.

R 408.15315
Source: 1979 AC.

R 408.15321
Source: 1979 AC.

WORK PRACTICES

R 408.15331
Source: 1979 AC.

R 408.15332
Source: 1979 AC.

R 408.15333
Source: 1979 AC.

R 408.15334
Source: 1979 AC.

R 408.15335
Source: 1979 AC.

R 408.15336
Source: 1979 AC.

R 408.15337
Source: 1979 AC.

R 408.15338
Source: 1979 AC.

TOOLS AND EQUIPMENT

R 408.15341
Source: 1979 AC.

R 408.15342
Source: 1979 AC.

R 408.15343
Source: 1979 AC.

R 408.15344
Source: 2019 AACS.

R 408.15345

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Source: 1979 AC.

R 408.15346

Source: 1979 AC.

R 408.15347

Source: 1979 AC.

R 408.15348

Source: 1979 AC.

HAND AND PORTABLE TOOLS

R 408.15351

Source: 1979 AC.

R 408.15352

Source: 1979 AC.

R 408.15353

Source: 1979 AC.

R 408.15354

Source: 1979 AC.

R 408.15355

Source: 2019 AACS.

R 408.15356

Source: 1979 AC.

R 408.15357

Source: 1979 AC.

R 408.15358

Source: 1979 AC.

R 408.15359

Source: 1979 AC.

R 408.15360

Source: 1979 AC.

R 408.15361

Source: 1979 AC.

R 408.15362

Source: 2019 AACS.

R 408.15363

Source: 1979 AC.

PART 54. POWERED GROUNDSKEEPING EQUIPMENT

R 408.15401

Source: 1979 AC.

R 408.15403

Source: 1979 AC.

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- R 408.15404**
Source: 1979 AC.
- R 408.15405**
Source: 1979 AC.
- R 408.15406**
Source: 1979 AC.
- R 408.15411**
Source: 1983 AACCS.
- R 408.15412**
Source: 1979 AC.
- R 408.15413**
Source: 1983 AACCS.
- R 408.15414**
Source: 1979 AC.
- R 408.15415**
Source: 1983 AACCS.
- R 408.15416**
Source: 1983 AACCS.
- R 408.15421**
Source: 1997 AACCS.
- R 408.15422**
Source: 1983 AACCS.
- R 408.15423**
Source: 1997 AACCS.
- R 408.15424**
Source: 1997 AACCS.
- R 408.15425**
Source: 1997 AACCS.
- R 408.15426**
Source: 1979 AC.
- R 408.15427**
Source: 1979 AC.
- R 408.15428**
Source: 1979 AC.
- R 408.15429**
Source: 1983 AACCS.
- R 408.15431**
Source: 1997 AACCS.
- R 408.15442**

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Source: 1979 AC.

R 408.15443

Source: 1979 AC.

R 408.15444

Source: 1979 AC.

R 408.15451

Source: 1979 AC.

R 408.15452

Source: 1983 AACS.

R 408.15461

Source: 1983 AACS.

PART 55. EXPLOSIVES

R 408.15501

Source: 2015 AACS.

PART 56. STORAGE AND HANDLING OF LIQUEFIED PETROLEUM GASES

R 408.15601

Source: 2015 AACS.

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DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 57. OIL AND GAS DRILLING AND SERVICING OPERATIONS

R 408.15701

Source: 1989 AACS.

R 408.15703

Source: 1989 AACS.

R 408.15704

Source: 1989 AACS.

R 408.15705

Source: 1989 AACS.

R 408.15706

Source: 1989 AACS.

R 408.15707

Source: 1989 AACS.

R 408.15708

Source: 1989 AACS.

R 408.15711

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Source: 1989 AACS.

R 408.15712

Source: 2013 AACS.

R 408.15713

Source: 2013 AACS.

R 408.15714

Source: 1979 AC.

R 408.15715

Source: 1989 AACS.

R 408.15716

Source: 1979 AC.

R 408.15717

Source: 2013 AACS.

R 408.15718

Source: 2019 AACS.

R 408.15719

Source: 1989 AACS.

R 408.15721

Source: 2013 AACS.

R 408.15722

Source: 1989 AACS.

R 408.15723

Source: 2013 AACS.

R 408.15725

Source: 2013 AACS.

R 408.15726

Source: 2013 AACS.

EQUIPMENT

R 408.15731

Source: 1989 AACS.

R 408.15732

Source: 1989 AACS.

R 408.15733

Source: 1979 AC.

R 408.15734

Source: 1989 AACS.

R 408.15735

Source: 1979 AC.

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R 408.15736
Source: 1989 AACCS.

R 408.15737
Source: 1994 AACCS.

R 408.15738
Source: 1979 AC.

R 408.15739
Source: 2013 AACCS.

R 408.15740
Source: 1979 AC.

R 408.15741
Source: 1989 AACCS.

R 408.15742
Source: 1979 AC.

R 408.15743
Source: 1989 AACCS.

R 408.15744
Source: 1989 AACCS.

R 408.15745
Source: 1989 AACCS.

R 408.15751
Source: 1979 AC.

R 408.15752
Source: 1979 AC.

R 408.15753
Source: 1989 AACCS.

R 408.15754
Source: 1989 AACCS.

R 408.15755
Source: 1997 AACCS.

R 408.15756
Source: 1989 AACCS.

R 408.15757
Source: 1989 AACCS.

OTHER SPECIAL SERVICE OPERATIONS

R 408.15761
Source: 1989 AACCS.

R 408.15762
Source: 1989 AACCS.

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R 408.15763
Source: 1997 AACS.

R 408.15764
Source: 1989 AACS.

R 408.15765
Source: 1997 AACS.

R 408.15766
Source: 1997 AACS.

R 408.15767
Source: 1997 AACS.

R 408.15768
Source: 1989 AACS.

R 408.15769
Source: 1997 AACS.

R 408.15770
Source: 1979 AC.

R 408.15771
Source: 1989 AACS.

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PART 58. AERIAL WORK PLATFORMS

R 408.15801
Source: 2018 AACS.

R 408.15802
Source: 2018 AACS.

R 408.15803
Source: 2018 AACS.

R 408.15804
Source: 2018 AACS.

R 408.15805
Source: 2018 AACS.

R 408.15810
Source: 2018 AACS.

R 408.15811
Source: 2013 AACS.

R 408.15812
Source: 2018 AACS.

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R 408.15815
Source: 2018 AACS.

R 408.15817
Source: 2018 AACS.

R 408.15821
Source: 2013 AACS.

R 408.15823
Source: 2008 AACS.

R 408.15824
Source: 2008 AACS.

R 408.15825
Source: 2018 AACS.

R 408.15830
Source: 2008 AACS.

R 408.15831
Source: 2018 AACS.

R 408.15832
Source: 2018 AACS.

R 408.15833
Source: 2018 AACS.

R 408.15836
Source: 2018 AACS.

R 408.15839
Source: 2018 AACS.

R 408.15842
Source: 2018 AACS.

PART 59. HELICOPTERS

R 408.15901
Source: 1979 AC.

R 408.15903
Source: 2015 AACS.

R 408.15911
Source: 2015 AACS.

R 408.15914
Source: 1979 AC.

R 408.15915
Source: 2015 AACS.

R 408.15916
Source: 1979 AC.

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R 408.15921

Source: 1979 AC.

R 408.15922

Source: 2015 AACS.

R 408.15923

Source: 2015 AACS.

R 408.15931

Source: 1979 AC.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 62. PLASTIC MOLDING

R 408.16201

Source: 1992 AACS.

R 408.16202 Referenced standards.

Rule 6202. The following Michigan Occupational Safety and Health Administration (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA Regulatory Services Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at the following website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) General Industry Safety and Health Standard Part 2. "Walking-Working Surfaces," R 408.10201 to R 408.10241.

(b) General Industry Safety Standard Part 85. "The Control of Hazardous Energy Sources," R 408.18501 to R 408.18599.

History: 2015 AACS; 2019 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16204

Source: 2015 AACS.

R 408.16205

Source: 1979 AC.

R 408.16206

Source: 1992 AACS.

R 408.16207 Definitions; R, S.

Rule 6207. (1) "Rotational molding" means a method of making hollow articles by charging a hollow rotating mold with a plastic material. After the heated material covers all surfaces of the mold it is cooled and stripped out.

(2) "Safety factor" means the ratio of the breaking strength of a piece of material or object to the maximum designed load or stress applied when in use.

(3) "Safety gate" means a moveable, interlocked guard allowing the operator access to the point of operation to perform production related tasks.

(4) "Ship-lap machine" means a powered machine equipped with feed rolls and milling cutters for the purpose of cutting grooves in the edge of expanded sheet material.

(5) "Spin welding" means a method of fusing 2 objects together by spinning 1 or both until frictional heat melts the interface. The spinning is then stopped and pressure applied to both objects.

History: 1979 AC; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16208

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Source: 1979 AC.

R 408.16211 Employer responsibilities.

Rule 6211. (1) An employer shall provide training to an employee regarding the operating procedures, hazards, and safeguards of any assigned job.

(2) An employer shall not allow a machine to be operated if the machine is not guarded as prescribed by this part or has a known defect that could affect the safety of an employee.

(3) An employer shall ensure that all safety devices are checked and found to be functional and properly adjusted.

History: 1979 AC; 2013 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16212

Source: 1979 AC.

R 408.16215

Source: 1979 AC.

R 408.16216

Source: 1979 AC.

R 408.16217

Source: 2013 AACS

EQUIPMENT INSTALLATION AND MAINTENANCE

R 408.16221

Source: 1979 AC.

R 408.16222

Source: 2013 AACS.

R 408.16223 Rescinded.

History: 1979 AC; 1992 AACS; 2015 AACS; 2019 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16224

Source: 1979 AC.

R 408.16225

Source: 1992 AACS.

R 408.16226 Controls.

Rule 6226. (1) An operating control shall be guarded against accidental contact. A control button or lever shall be identified as to its function.

(2) If a machine requires more than 1 operator, and if each operator is exposed to a point of operation, the controls shall be activated concurrently before the machine will operate.

(3) A machine shall be provided with an emergency stop control at each operator station. The stop control shall be red in color and readily accessible. A button, if used, shall have a mushroom shape.

(4) A machine shall be provided with a means that, upon power failure, will prevent automatic restarting upon the restoration of power. Fire, coolant, and sump pumps are excepted from the requirements of this subrule.

(5) When used, interlocks shall be installed to minimize the possibility of accidental operation or tampering.

(6) Where more than 1 operator is assigned to a plastic molding machine that is not equipped with interlocked gates and the operator is exposed to a point of operation, or when hazardous motion in or near the point of operation could cause injury, each operator shall be provided with a device that prevents reaching into the point of operation during the closing cycle.

(7) Two-hand control devices shall be located in a manner to prevent bridging.

History: 1979 AC; 1992 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16227 Rescinded.

History: 1979 AC; 1998-2000 AACS; 2013 AACS; 2015 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

SPECIFIC EQUIPMENT

R 408.16231

Source: 1992 AACS.

R 408.16232

Source: 1992 AACS.

R 408.16233

Source: 1979 AC.

R 408.16234 Injection molding machinery.

Rule 6234. (1) An injection molding machine, except for one with a movable table that is subject to the provisions of subrule (4) of this rule, shall be equipped with a safety gate or guard that is designed and constructed to prevent an employee from reaching into the point of operation, except when the gate is open.

(2) A horizontal injection molding machine shall have the safety gate interlocked to stop or prevent mold-closing by any 2 of the following:

- (a) An electrical mold-closing control.
- (b) Hydraulic or pneumatic valves that control mold closing.
- (c) A mechanical device that prevents mold closing.
- (d) A second electrical mold closing control (all electrical horizontal injection molding machines).

(3) A vertical clamp injection molding machine shall have a mechanical restraint device to prevent unintentional gravity descent of the mold, and shall have the safety gate interlocked to stop or prevent mold-closing by any 2 of the following:

- (a) An electrical mold closing control.
- (b) Hydraulic or pneumatic valves that control mold closing.
- (c) A second electrical mold closing control (all electrical vertical injection molding machines).

(4) An injection molding machine that uses a movable table to hold the lower mold shall be provided with a guard or device that is designed and constructed to deny an operator access to the point of operation during machine cycle.

(5) An injection molding machine shall be equipped with a fixed or an interlocked movable or removable guard, or other device that is designed and constructed to prevent an employee from reaching into the clamping mechanism.

(6) When purging an injection molding machine, an employee shall be protected from the purging splatter by a shield that is fixed, portable, or worn on the employee. The same shielding shall be used when servicing a heated runner manifold nozzle.

(7) An injection molding machine that uses an extruding machine that has an exposed feed screw shall have the screw guarded as prescribed by R 408.16233(4).

(8) Employers engaged in mold changes on injection molding machines shall comply with General Industry Safety Standard Part 85. "The Control of Hazardous Energy Sources," (Lockout/Tagout), as referenced in R 408.16202.

History: 1979 AC; 1992 AACS; 1998-2000 AACS; 2015 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

R 408.16235

Source: 1992 AACS.

R 408.16236

Source: 2013 AACS.

R 408.16237 R

Source: 2019 AACS.

R 408.16241

Source: 1979 AC.

R 408.16242

Source: 1992 AACS.

R 408.16243

Source: 1992 AACS.

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R 408.16244

Source: 1979 AC.

R 408.16245

Source: 1992 AACS.

R 408.16246

Source: 1992 AACS.

R 408.16247

Source: 1979 AC.

R 408.16251 Rescinded.

History: 1979 AC; 1992 AACS; 2015 AACS; 2021 MR 6, Eff. Mar. 26, 2021.

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PART 63. PULP, PAPER, AND PAPERBOARD MILLS

R 408.16301

Source: 2018 AACS.

R 408.16302

Source: 2018 AACS.

R 408.16303

Source: 1979 AC.

R 408.16304

Source: 1979 AC.

R 408.16305

Source: 1993 AACS.

R 408.16306

Source: 1979 AC.

R 408.16307

Source: 1979 AC.

R 408.16308

Source: 1979 AC.

R 408.16309

Source: 2018 AACS.

R 408.16311

Source: 2018 AACS.

R 408.16312

Source: 2018 AACS.

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R 408.16313
Source: 2018 AACCS.

R 408.16318
Source: 2018 AACCS.

R 408.16321
Source: 2018 AACCS.

R 408.16322
Source: 2018 AACCS.

R 408.16323
Source: 2018 AACCS.

R 408.16324
Source: 1979 AC.

R 408.16325
Source: 2018 AACCS.

R 408.16326
Source: 1979 AC.

R 408.16327
Source: 1979 AC.

R 408.16328
Source: 1993 AACCS.

R 408.16331
Source: 2018 AACCS.

R 408.16332
Source: 1979 AC.

R 408.16333
Source: 2018 AACCS.

R 408.16334
Source: 1979 AC.

R 408.16335
Source: 2018 AACCS.

R 408.16336
Source: 2014 AACCS.

R 408.16337
Source: 2014 AACCS.

R 408.16338
Source: 2018 AACCS.

R 408.16339
Source: 1979 AC.

R 408.16341

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Source: 1979 AC.

R 408.16342

Source: 1979 AC.

R 408.16343

Source: 2018 AACS.

R 408.16344

Source: 2014 AACS.

R 408.16345

Source: 2018 AACS.

R 408.16346

Source: 2018 AACS.

R 408.16347

Source: 2018 AACS.

R 408.16348

Source: 1979 AC.

R 408.16349

Source: 1979 AC.

R 408.16350

Source: 2018 AACS.

R 408.16351

Source: 2018 AACS.

R 408.16352

Source: 2014 AACS.

R 408.16353

Source: 2018 AACS.

R 408.16354

Source: 2018 AACS.

R 408.16355

Source: 1979 AC.

R 408.16356

Source: 2018 AACS.

R 408.16357

Source: 1979 AC.

R 408.16358

Source: 1979 AC.

R 408.16359

Source: 1979 AC.

R 408.16360

Source: 1979 AC.

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R 408.16361
Source: 2018 AACCS.

R 408.16362
Source: 2018 AACCS.

R 408.16363
Source: 1979 AC.

R 408.16364
Source: 2018 AACCS.

R 408.16371
Source: 1979 AC.

R 408.16372
Source: 2018 AACCS.

R 408.16374
Source: 1979 AC.

R 408.16375
Source: 2018 AACCS.

R 408.16376
Source: 1979 AC.

R 408.16377
Source: 2018 AACCS.

R 408.16378
Source: 1981 AACCS.

R 408.16381
Source: 1979 AC.

R 408.16382
Source: 1979 AC.

R 408.16383
Source: 1979 AC.

R 408.16384
Source: 1979 AC.

R 408.16385
Source: 2014 AACCS.

R 408.16386
Source: 1979 AC.

R 408.16387
Source: 2018 AACCS.

R 408.16388
Source: 1979 AC.

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R 408.16391
Source: 1979 AC.

R 408.16392
Source: 2014 AACS.

PART 65. MILLS AND CALENDERS FOR RUBBER AND PLASTIC

R 408.16511
Source: 2013 AACS.

R 408.16528
Source: 2013 AACS.

PART 69. COMPRESSED AIR AND GASES, EQUIPMENT, AND SYSTEMS

R 408.16901
Source: 1998-2000 AACS.

R 408.16902
Source: 2012 AACS.

PART 71. LAUNDRY AND DRY CLEANING MACHINERY AND OPERATIONS

R 408.17101
Source: 1979 AC.

R 408.17103
Source: 1979 AC.

R 408.17104
Source: 1979 AC.

R 408.17105
Source: 1979 AC.

R 408.17106
Source: 1979 AC.

R 408.17107
Source: 1979 AC.

R 408.17111
Source: 1983 AACS.

R 408.17112
Source: 1979 AC.

R 408.17121
Source: 1979 AC.

R 408.17122
Source: 1981 AACS.

R 408.17123
Source: 1997 AACS.

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R 408.17124
Source: 1997 AACCS.

R 408.17125
Source: 2013 AACCS.

R 408.17126
Source: 1979 AC.

R 408.17127
Source: 1979 AC.

R 408.17128
Source: 1979 AC.

R 408.17129
Source: 1979 AC.

R 408.17130
Source: 1979 AC.

R 408.17131
Source: 1979 AC.

R 408.17141
Source: 1979 AC.

R 408.17142
Source: 1979 AC.

R 408.17143
Source: 1981 AACCS.

R 408.17144
Source: 1979 AC.

R 408.17145
Source: 1979 AC.

R 408.17146
Source: 1979 AC.

R 408.17147
Source: 1997 AACCS.

R 408.17148
Source: 1979 AC.

R 408.17149
Source: 1979 AC.

R 408.17150
Source: 1979 AC.

R 408.17151
Source: 1979 AC.

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R 408.17152
Source: 1979 AC.

R 408.17153
Source: 1979 AC.

R 408.17154
Source: 1979 AC.

R 408.17155
Source: 1979 AC.

R 408.17156
Source: 1979 AC.

R 408.17157
Source: 1979 AC.

R 408.17158
Source: 1979 AC.

R 408.17159
Source: 1979 AC.

R 408.17160
Source: 1979 AC.

R 408.17161
Source: 1979 AC.

R 408.17162
Source: 1979 AC.

R 408.17163
Source: 1979 AC.

PART 72. AUTOMOTIVE SERVICE OPERATIONS

R 408.17201
Source: 1990 AACS.

R 408.17204
Source: 1979 AC.

R 408.17205
Source: 1979 AC.

R 408.17206
Source: 1990 AACS.

R 408.17207
Source: 1979 AC.

R 408.17211
Source: 2013 AACS.

R 408.17212

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Source: 2013 AACCS.

R 408.17213

Source: 2013 AACCS.

R 408.17221

Source: 1979 AC.

R 408.17222

Source: 2013 AACCS.

R 408.17223

Source: 1979 AC.

R 408.17224

Source: 1979 AC.

R 408.17225

Source: 2013 AACCS.

R 408.17226

Source: 1979 AC.

R 408.17227

Source: 2013 AACCS.

R 408.17232

Source: 1979 AC.

R 408.17233

Source: 1979 AC.

R 408.17234

Source: 1979 AC.

R 408.17235

Source: 1993 AACCS.

R 408.17236

Source: 2013 AACCS.

R 408.17237

Source: 1990 AACCS.

R 408.17241

Source: 1979 AC.

R 408.17243

Source: 1979 AC.

R 408.17245

Source: 1979 AC.

R 408.17246

Source: 1979 AC.

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R 408.17251
Source: 2013 AACS.

R 408.17252
Source: 1979 AC.

R 408.17253
Source: 1990 AACS.

PART 73. FIRE BRIGADES

R 408.17301
Source: 1984 AACS.

R 408.17302
Source: 2015 AACS.

R 408.17303
Source: 2013 AACS.

R 408.17305
Source: 1984 AACS.

R 408.17307
Source: 1984 AACS.

R 408.17309
Source: 1984 AACS.

R 408.17310
Source: 2015 AACS.

R 408.17312
Source: 2015 AACS.

R 408.17314
Source: 2015 AACS.

R 408.17315
Source: 2015 AACS.

R 408.17316
Source: 2015 AACS.

R 408.17317
Source: 2015 AACS.

R 408.17318
Source: 2015 AACS.

R 408.17320
Source: 2015 AACS.

R 408.17322
Source: 1998-2000 AACS.

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PART 74. FIRE FIGHTING

R 408.17401
Source: 2001 AACS.

R 408.17402
Source: 1988 AACS.

R 408.17403
Source: 2013 AACS.

R 408.17404
Source: 2013 AACS.

R 408.17405
Source: 2019 AACS.

R 408.17411
Source: 2016 AACS.

R 408.17412
Source: 2013 AACS.

R 408.17415
Source: 2013 AACS.

CONSTRUCTION AND USE OF EQUIPMENT

R 408.17421
Source: 2016 AACS.

R 408.17422
Source: 2016 AACS.

R 408.17423
Source: 2016 AACS.

R 408.17424
Source: 2016 AACS.

R 408.17425
Source: 2001 AACS.

R 408.17426
Source: 2019 AACS.

R 408.17427
Source: 1979 AC.

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R 408.17428
Source: 1979 AC.

PROTECTIVE EQUIPMENT

R 408.17431
Source: 2013 AACS.

R 408.17432
Source: 2016 AACS.

R 408.17433
Source: 2016 AACS.

R 408.17434
Source: 2016 AACS.

R 408.17435
Source: 2016 AACS.

R 408.17436
Source: 2016 AACS.

R 408.17437
Source: 2016 AACS.

R 408.17440
Source: 2016 AACS.

TOOLS

R 408.17441
Source: 1979 AC.

R 408.17442
Source: 2001 AACS.

R 408.17443
Source: 1979 AC.

OPERATIONS

R 408.17451
Source: 2016 AACS.

R 408.17452
Source: 2001 AACS.

INSPECTIONS

R 408.17461
Source: 2016 AACS.

R 408.17462
Source: 1997 AACS.

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R 408.17463
Source: 2016 AACS.

R 408.17464
Source: 2001 AACS.

PART 75. FLAMMABLE AND COMBUSTIBLE LIQUIDS

R 408.17501
Source: 2013 AACS.

R 408.17502
Source: 2013 AACS.

PART 76. SPRAY FINISHING USING FLAMMABLE AND COMBUSTIBLE MATERIALS

R 408.17601
Source: 2014 AACS.

R 408.17602
Source: 2014 AACS.

R 408.17603
Source: 2007 AACS.

R 408.17605
Source: 2007 AACS.

R 408.17607
Source: 2007 AACS.

R 408.17609
Source: 2007 AACS.

R 408.17610
Source: 2007 AACS.

R 408.17612
Source: 2007 AACS.

R 408.17613
Source: 2007 AACS.

R 408.17614
Source: 2007 AACS.

R 408.17615
Source: 2007 AACS.

R 408.17616
Source: 2007 AACS.

R 408.17618
Source: 2007 AACS.

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R 408.17620
Source: 2007 AACs.

R 408.17621
Source: 2007 AACs.

R 408.17622
Source: 2007 AACs.

R 408.17623
Source: 2007 AACs.

R 408.17624
Source: 2007 AACs.

R 408.17630
Source: 2007 AACs.

R 408.17631
Source: 2007 AACs.

R 408.17632
Source: 2007 AACs.

R 408.17633
Source: 2007 AACs.

R 408.17636
Source: 2007 AACs.

R 408.17637
Source: 2007 AACs.

R 408.17640
Source: 2007 AACs.

R 408.17641
Source: 2007 AACs.

R 408.17650
Source: 2007 AACs.

R 408.17651
Source: 2007 AACs.

R 408.17696
Source: 2007 AACs.

R 408.17699
Source: 2007 AACs.

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DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 77. GRAIN HANDLING FACILITIES

R 408.17701
Source: 2014 AACS.

R 408.17701a
Source: 2018 AACS.

R 408.17701b
Source: 2018 AACS.

R 408.17701c
Source: 2018 AACS.

R 408.17701d
Source: 2018 AACS.

R 408.17702
Source: 2014 AACS.

R 408.17703
Source: 2014 AACS.

R 408.17704
Source: 2018 AACS.

R 408.17705
Source: 2018 AACS.

R 408.17706
Source: 2018 AACS.

R 408.17707
Source: 2018 AACS.

R 408.17708
Source: 2018 AACS.

R 408.17709
Source: 2018 AACS.

R 408.17710
Source: 2018 AACS.

R 408.17711
Source: 2018 AACS.

R 408.17712
Source: 2018 AACS.

R 408.17713
Source: 2018 AACS.

R 408.17714
Source: 2018 AACS.

R 408.17715

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Source: 2018 AACS.

R 408.17716

Source: 2018 AACS.

R 408.17717

Source: 2018 AACS.

R 408.17717a

Source: 2018 AACS.

R 408.17717b

Source: 2018 AACS.

R 408.17717c

Source: 2018 AACS.

R 408.17717d

Source: 2018 AACS.

R 408.17719

Source: 2018 AACS.

PART 78. ANHYDROUS AMMONIA

R 408.17801

Source: 2015 AACS.

PART 79. DIVING OPERATIONS

R 408.17901

Source: 2013 AACS.

R 408.17903

Source: 2013 AACS.

R 408.17904

Source: 2013 AACS.

R 408.17905

Source: 2013 AACS.

R 408.17906

Source: 2013 AACS.

R 408.17907

Source: 2013 AACS.

R 408.17909

Source: 2013 AACS.

R 408.17911

Source: 2013 AACS.

R 408.17912

Source: 2013 AACS.

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R 408.17913
Source: 2013 AACCS.

R 408.17914
Source: 2013 AACCS.

R 408.17921
Source: 2013 AACCS.

R 408.17922
Source: 2013 AACCS.

R 408.17923
Source: 2013 AACCS.

R 408.17924
Source: 2013 AACCS.

R 408.17925
Source: 2013 AACCS.

R 408.17926
Source: 2013 AACCS.

R 408.17927
Source: 2013 AACCS.

R 408.17931
Source: 2013 AACCS.

R 408.17932
Source: 2013 AACCS.

R 408.17933
Source: 2013 AACCS.

R 408.17934
Source: 2013 AACCS.

R 408.17941
Source: 2013 AACCS.

R 408.17942
Source: 2013 AACCS.

R 408.17945
Source: 2013 AACCS.

R 408.17946
Source: 2013 AACCS.

R 408.17951
Source: 2013 AACCS.

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R 408.17952
Source: 2013 AACS.

R 408.17953
Source: 2013 AACS.

R 408.17954
Source: 2013 AACS.

R 408.17955
Source: 2013 AACS.

R 408.17956
Source: 2013 AACS.

R 408.17957
Source: 2013 AACS.

R 408.17958
Source: 2013 AACS.

R 408.17961
Source: 2013 AACS.

R 408.17962
Source: 2013 AACS.

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GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 81. BAKING OPERATIONS

R 408.18101
Source: 2014 AACS.

R 408.18101a
Source: 2019 AACS.

R 408.18102
Source: 1979 AC.

R 408.18103
Source: 1979 AC.

R 408.18104
Source: 1979 AC.

R 408.18105
Source: 1979 AC.

R 408.18106
Source: 1979 AC.

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R 408.18107
Source: 1979 AC.

R 408.18108
Source: 1979 AC.

R 408.18109
Source: 1979 AC.

R 408.18111
Source: 2019 AACS.

R 408.18112
Source: 1979 AC.

R 408.18113
Source: 1979 AC.

R 408.18114
Source: 2019 AACS.

R 408.18115
Source: 2014 AACS.

R 408.18116
Source: 2019 AACS.

R 408.18117
Source: 1982 AACS.

R 408.18118
Source: 1979 AC.

R 408.18119
Source: 1979 AC.

SPECIFIC EQUIPMENT

R 408.18121
Source: 1982 AACS.

R 408.18122
Source: 2014 AACS.

R 408.18123
Source: 1982 AACS.

R 408.18124
Source: 1982 AACS.

R 408.18125
Source: 2019 AACS.

R 408.18126
Source: 1982 AACS.

R 408.18127
Source: 1982 AACS.

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- R 408.18128**
Source: 1979 AC.
- R 408.18129**
Source: 1979 AC.
- R 408.18130**
Source: 2014 AACS.
- R 408.18131**
Source: 1979 AC.
- R 408.18132**
Source: 1979 AC.
- R 408.18133**
Source: 1979 AC.
- R 408.18134**
Source: 1982 AACS.
- R 408.18135**
Source: 1979 AC.
- R 408.18136**
Source: 1979 AC.
- R 408.18138**
Source: 1979 AC.
- R 408.18139**
Source: 1979 AC.
- R 408.18141**
Source: 1979 AC.
- R 408.18142**
Source: 1982 AACS.
- R 408.18143**
Source: 1982 AACS.
- R 408.18144**
Source: 1982 AACS.
- R 408.18145**
Source: 1982 AACS.
- R 408.18146**
Source: 1982 AACS.
- R 408.18147**
Source: 2014 AACS.
- R 408.18148**
Source: 1979 AC.

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R 408.18149
Source: 2014 AACCS.

R 408.18151
Source: 1979 AC.

R 408.18152
Source: 1979 AC.

R 408.18153
Source: 1982 AACCS.

R 408.18154
Source: 1979 AC.

R 408.18155
Source: 1979 AC.

R 408.18156
Source: 2014 AACCS.

R 408.18157
Source: 1979 AC.

R 408.18158
Source: 1982 AACCS.

R 408.18159
Source: 1979 AC.

R 408.18159a
Source: 2014 AACCS.

R 408.18160
Source: 1979 AC.

R 408.18161
Source: 1979 AC.

R 408.18171
Source: 2014 AACCS.

R 408.18172
Source: 1979 AC.

R 408.18173
Source: 1979 AC.

R 408.18174
Source: 1979 AC.

R 408.18175
Source: 1979 AC.

R 408.18176
Source: 1979 AC.

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R 408.18177
Source: 1979 AC.

R 408.18181
Source: 2014 AACS.

R 408.18182
Source: 2014 AACS.

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DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY STANDARDS

PART 85. THE CONTROL OF HAZARDOUS ENERGY SOURCES

R 408.18501
Source: 1993 AACS.

R 408.18502
Source: 2016 AACS.

R 408.18599
Source: 2016 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION

R 408.18601
Source: 2018 AACS.

R 408.18602
Source: 2018 AACS.

R 408.18605
Source: 2018 AACS.

R 408.18610
Source: 2018 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY STANDARDS

PART 90. PERMIT-REQUIRED CONFINED SPACES

R 408.19001

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Source: 2017 AACS.

R 408.19002

Source: 2017 AACS.

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DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY STANDARDS

PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

R 408.19101

Source: 2017 AACS.

R 408.19102

Source: 2017 AACS.

R 408.19103

Source: 2017 AACS.

PART 92. HAZARD COMMUNICATION

R 408.19201

Source: 2014 AACS.

R 408.19202

Source: 2014 AACS.

R 408.19203

Source: 2014 AACS.

R 408.19204

Source: 2014 AACS.

PART 93. AIR RECEIVERS

R 408.19301

Source: 1998-2000 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

PART 94 TEXTILES

R 408.19401

Source: 2018 AACS.

R 408.19403

Source: 2018 AACS.

R 408.19405

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Source: 2018 AACS.

R 408.19410

Source: 2018 AACS.

Rule 3403

Source: 2014 AACS.

Rule 3504

Source: 2014 AACS.

Rule 5002

Source: 2014 AACS.

COMPLIANCE AND APPEALS

R 408.19901

Source: 1998-2000 AACS.

R 408.19902

Source: 1998-2000 AACS.

R 408.19903

Source: 1998-2000 AACS.

R 408.19904

Source: 1998-2000 AACS.

R 408.19905

Source: 1998-2000 AACS.

R 408.19906

Source: 1998-2000 AACS.

R 408.19907

Source: 1998-2000 AACS.

R 408.19908

Source: 1998-2000 AACS.

R 408.19909

Source: 1998-2000 AACS.

R 408.19910

Source: 1998-2000 AACS.

DEPARTMENT ORGANIZATION AND GENERAL FUNCTIONS

PART 1. DIRECTOR'S OFFICE

R 408.20001

Source: 1997 AACS.

R 408.20002

Source: 1997 AACS.

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R 408.20003
Source: 1997 AACS.

R 408.20004
Source: 1997 AACS.

R 408.20005
Source: 1997 AACS.

R 408.20006
Source: 1997 AACS.

PART 2. BUREAU OF ADMINISTRATIVE SERVICES

R 408.20011
Source: 1997 AACS.

R 408.20012
Source: 1997 AACS.

R 408.20013
Source: 1997 AACS.

R 408.20014
Source: 1997 AACS.

R 408.20015
Source: 1997 AACS.

PART 3. BUREAU OF SAFETY AND REGULATION

R 408.20021—R 408.20031
Source: 1997 AACS.

PART 4. EMPLOYMENT RELATIONS COMMISSION

R 408.20041
Source: 1997 AACS.

R 408.20042
Source: 1997 AACS.

R 408.20043
Source: 1997 AACS.

PART 5. WORKMEN'S COMPENSATION AGENCIES

BUREAU OF WORKMEN'S COMPENSATION

R 408.20051
Source: 1997 AACS.

R 408.20052
Source: 1997 AACS.

R 408.20053

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Source: 1997 AACs.

R 408.20054

Source: 1997 AACs.

R 408.20055

Source: 1997 AACs.

R 408.20056

Source: 1997 AACs.

R 408.20057

Source: 1997 AACs.

PART 6. EMPLOYMENT SECURITY AGENCIES

R 408.20061

Source: 1997 AACs.

R 408.20062

Source: 1997 AACs.

R 408.20063

Source: 1997 AACs.

R 408.20064

Source: 1997 AACs.

R 408.20065

Source: 1997 AACs.

PART 7. OTHER BOARDS AND COMMISSIONS

R 408.20071

Source: 1997 AACs.

R 408.20072

Source: 1997 AACs.

R 408.20073

Source: 1997 AACs.

R 408.20074

Source: 1997 AACs.

R 408.20075

Source: 1997 AACs.

R 408.20076

Source: 1997 AACs.

R 408.20077

Source: 1997 AACs.

R 408.20078

Source: 1997 AACs.

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R 408.20079
Source: 1997 AACCS.

R 408.20080
Source: 1997 AACCS.

R 408.20081
Source: 1997 AACCS.

R 408.20082
Source: 1997 AACCS.

R 408.20083
Source: 1997 AACCS.

R 408.20084
Source: 1997 AACCS.

R 408.20085
Source: 1997 AACCS.

R 408.20086
Source: 1997 AACCS.

OCCUPATIONAL SAFETY AND HEALTH
PART 4. PROCEDURES

R 408.21401
Source: 1979 AC.

R 408.21403
Source: 1979 AC.

R 408.21405
Source: 1979 AC.

R 408.21411
Source: 1979 AC.

R 408.21412
Source: 1979 AC.

R 408.21413
Source: 1979 AC.

R 408.21414
Source: 1979 AC.

R 408.21415
Source: 1979 AC.

R 408.21416
Source: 1979 AC.

R 408.21417
Source: 1979 AC.

R 408.21418
Source: 1979 AC.

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R 408.21421
Source: 1979 AC.

R 408.21422
Source: 1979 AC.

R 408.21423
Source: 1979 AC.

R 408.21424
Source: 1979 AC.

R 408.21425
Source: 1979 AC.

R 408.21426
Source: 1979 AC.

R 408.21427
Source: 1979 AC.

R 408.21428
Source: 1979 AC.

R 408.21429
Source: 1979 AC.

R 408.21431
Source: 1979 AC.

R 408.21432
Source: 1979 AC.

R 408.21433
Source: 1979 AC.

R 408.21434
Source: 1979 AC.

R 408.21441
Source: 1979 AC.

R 408.21442
Source: 1979 AC.

R 408.21443
Source: 1979 AC.

R 408.21444
Source: 1979 AC.

R 408.21445
Source: 1979 AC.

R 408.21446
Source: 1979 AC.

R 408.21447
Source: 1979 AC.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

MIOSHA SAFETY AND HEALTH STANDARD

PART 11. RECORDING AND REPORTING OF OCCUPATIONAL INJURIES AND ILLNESSES

R 408.22101
Source: 2015 AACS.

R 408.22102
Source: 2015 AACS.

R 408.22102a Adopted and referenced standards.

Rule 1102a. (1) The following federal standards are adopted by reference in these rules:

- (a) 29 CFR 1903.2, "Posting of notice; availability of the Act, regulations and applicable standards," amended July 1, 2016.
 - (b) 45 CFR 164.512, "Uses and disclosures for which an authorization or opportunity to agree or object is not required," amended May 12, 2016.
 - (2) The standards adopted in these rules are available from the United States Government Printing Office website: www.ecfr.gov, at no charge as of the time of adoption of these rules.
 - (3) The standards adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, P.O. Box 30643, Lansing, Michigan, 48909-8143.
 - (4) The standards adopted in these rules may be obtained as shown in these rules or may be obtained from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, P.O. Box 30643, Lansing, Michigan, 48909-8143, plus \$20.00 for shipping and handling.
 - (5) The following MIOSHA standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.
 - (a) Occupational Health Standard Part 380. "Occupational Noise Exposure in General Industry," R 325.60101 to R 325.60128.
 - (b) General Industry Safety and Health Standard Part 554. "Bloodborne Infectious Diseases," R 325.70001 to R 325.70018.
- History: 2015 AACS; 2016 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22103 Exceptions; applicability; petitions.

Rule 1103. (1) Both of the following provisions apply to exemptions based on employee numbers and industry classifications:

- (a) If your company had 10 or fewer employees at all times during the last calendar year, you do not need to keep MIOSHA injury and illness records unless MIOSHA, the United States Bureau of Labor Statistics (BLS), or the United States Department of Labor Occupational Safety and Health Administration (OSHA), informs you, in writing, that you must keep records according to R 408.22141, R 408.22141a, R 408.22141b, or R 408.22142. However, as required by R 408.22139, all employers covered by the act shall report to MIOSHA any workplace incident that results in a fatality, inpatient hospitalization, amputation, or loss of an eye.
 - (b) If your company had more than 10 employees at any time during the last calendar year, you must keep MIOSHA injury and illness records unless your establishment is classified as a partially exempt industry under this rule.
- (2) Both of the following provisions apply to implementation of employee number based exemptions:
- (a) Is the partial exemption for size based on the size of my entire company or on the size of an individual business establishment? The partial exemption for size is based on the number of employees in the entire company.
 - (b) How do I determine the size of my company to find out if I qualify for the partial exemption for size? To determine if you are exempt because of size, you must determine your company's peak employment during the last calendar year. If you did not have more than 10 employees at any time in the last calendar year, then your company qualifies for the partial exemption

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for size.

- (3) Both of the following provisions apply to basic requirements for partial exemption for establishments in certain industries:
- (a) If your business establishment is classified in a specific industry group listed in Appendix A, you do not need to keep MIOSHA injury and illness records unless MIOSHA, the United States Bureau of Labor Statistics (BLS), or the United States Department of Labor Occupational Safety and Health Administration (OSHA), informs you, in writing, that you must keep the records according to R 408.22141, R 408.22141a, R 408.22141b, or R 408.22142. However, all employers must report to MIOSHA any workplace incident that results in an employee's fatality, inpatient hospitalization, amputation, or loss of an eye as required by R 408.22139.
- (b) If 1 or more of your company's establishments are classified in a nonexempt industry, then you must keep MIOSHA injury and illness records for all of such establishments unless your company is partially exempted because of size under these rules.
- (4) Is the partial industry classification exemption based on the industry classification of my entire company or on the classification of individual business establishments operated by my company? The partial industry classification exemption applies to individual business establishments. If a company has several business establishments engaged in different classes of business activities, some of the company's establishments may be required to keep records, while others may be partially exempt.
- (5) How do I determine the correct North American Industry Classification System (NAICS) code for my company or for individual establishments? You may determine your NAICS code by using 1 of the following methods, or you may contact your nearest OSHA office or state agency for help in determining your NAICS code:
- (a) You may use the search feature at the U.S. Census Bureau NAICS main Web page: <http://www.census.gov/eos/www/naics/>. In the search box for the most recent NAICS, enter a keyword that describes your kind of business. A list of primary business activities containing that keyword and the corresponding NAICS codes will appear. Choose the 1 code that most closely corresponds to your primary business activity, or refine your search to obtain other choices.
- (b) Rather than searching through a list of primary business activities, you may also view the most recent complete NAICS structure with codes and titles by clicking on the link for the most recent NAICS on the U.S. Census Bureau NAICS main Web page: <https://www.census.gov/naics>. Then click on the 2-digit sector code to see all the NAICS codes under that sector. Then choose the 6-digit code of your interest to see the corresponding definition, as well as cross-references and index items, when available.
- (c) If you know your old standard industrial classification (SIC) code, you can also find the appropriate 2002 NAICS code by using the detailed conversion (concordance) between the 1987 SIC and 2002 NAICS available in Excel format for download at the "Concordances" link at the U.S. Census Bureau NAICS main Web page: <https://www.census.gov/naics>.
- (6) The department of labor and economic opportunity shall supply copies of the forms provided for in these rules and compile, correct, and analyze data obtained pursuant to these rules. The department shall process petitions for exceptions to these rules from public employers. The Occupational Safety and Health Administration (OSHA) of the United States Department of Labor shall process petitions for exceptions from private employers to ensure uniformity between federal and state rules.

History: 1979 AC; 1983 AACS; 1998-2000 AACS; 2001 AACS; 2002 AACS; 2015 AACS; 2016 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22104 Definitions; A to D.

Rule 1104. (1) "Act" means the Michigan occupational safety and health act (MIOSHA), 1974 PA 154, MCL 408.1001 to 408.1094.

(2) "Affected employee" means an employee who is affected by the granting or denial of an exception, or an authorized representative as defined by the act.

(3) "Amputation" means the traumatic loss of a limb or other external body part. Amputation includes all of the following:

(a) A part, such as a limb or appendage, that has been severed, cut off, or amputated, either completely or partially.

(b) Fingertip amputations with or without bone loss.

(c) Medical amputations resulting from irreparable damage.

(d) Amputations of body parts that have since been reattached. Amputations do not include avulsions, enucleations, degloving, scalpings, severed ears, or broken or chipped teeth.

(4) "Department" means the department of labor and economic opportunity.

(5) "Director" means the director of the department of labor and economic opportunity.

History: 1979 AC; 1998-2000 AACS; 2015 AACS; 2016 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

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R 408.22105

Source: 2015 AACs.

R 408.22106

Source: 2015 AACs.

R 408.22107 Definitions; O to Y.

Rule 1107. (1) "Occupational injury or illness" means an abnormal condition or disorder. Occupational injury is a result of a work accident or from an exposure involving a single incident in the work environment and includes, but is not limited to, a cut, fracture, sprain, or amputation. Occupational illnesses include both acute and chronic illnesses, including, but not limited to, a skin disease, respiratory disorder, or poisoning. Injuries and illnesses are recordable only if they are new, work-related cases that meet 1 or more of the recording criteria of these rules.

(2) "Other potentially infectious material" means other potentially infectious material as defined in General Industry Safety and Health Standard Part 554. "Bloodborne Infectious Diseases," as referenced in R 408.22102a. These materials include the following:

(a) Human bodily fluids, tissues, and organs.

(b) Other materials infected with the HIV or hepatitis B (HBV) virus, such as laboratory cultures or tissues from experimental animals.

(3) "Physician or other licensed health care professional" means a physician or other licensed health care professional who is an individual and whose legally permitted scope of practice, that is, license, registration, or certification, allows him or her to independently perform, or be delegated the responsibility to perform, the activities described by these rules.

(4) "Recordable injuries and illness" means an injury or illness that meets the general recording criteria, and therefore is recordable, if it results in any of the following:

(a) Death.

(b) Days away from work.

(c) Restricted work or transfer to another job.

(d) Medical treatment beyond first-aid.

(e) Loss of consciousness.

An employer must also consider a case as meeting the general recording criteria if it involves a significant injury or illness diagnosed by a physician or other licensed health care professional, even if it does not result in death, days away from work, restricted work or job transfer, medical treatment beyond first-aid, or loss of consciousness.

(5) "Standard threshold shift" means a change in the hearing threshold relative to the baseline audiogram of an average of 10 dB or more at 2000, 3000, and 4000 Hz in either ear.

(6) "You" means an employer as defined in section 5 of the act, MCL 408.1005.

History: 1979 AC; 2001 AACs; 2002 AACs; 2015 AACs; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22108

Source: 2001 AACs.

R 408.22109

Source: 2015 AACs.

R 408.22110

Source: 2015 AACs.

R 408.22110a

Source: 2015 AACs.

R 408.22110b

Source: 2015 AACs.

R 408.22111

Source: 2001 AACs.

R 408.22112

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Source: 2015 AACs.

R 408.22112a

Source: 2015 AACs.

R 408.22112b

Source: 2015 AACs.

R 408.22112c

Source: 2015 AACs.

R 408.22112d

Source: 2015 AACs.

R 408.22112e

Source: 2015 AACs.

R 408.22112f

Source: 2015 AACs.

R 408.22113

Source: 2015 AACs.

R 408.22114

Source: 2001 AACs.

R 408.22115

Source: 2015 AACs.

R 408.22116

Source: 2001 AACs.

R 408.22117

Source: 2015 AACs.

R 408.22118

Source: 1979 AC.

R 408.22119

Source: 2015 AACs.

R 408.22120

Source: 2001 AACs.

R 408.22121

Source: 2001 AACs.

R 408.22122

Source: 2001 AACs.

R 408.22129

Source: 2015 AACs.

R 408.22130

Source: 2015 AACs.

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R 408.22131

Source: 2001 AACS.

R 408.22132

Source: 2001 AACS.

R 408.22133 Retention and updating.

Rule 1133. (1) Basic requirement. You must save the MIOSHA 300 Log, the privacy case list, if one exists, the annual summary, and the MIOSHA 301 Incident Report forms for 5 years following the end of the calendar year that these records cover.

(2) All of the following apply to implementation of subrule (1) of this rule:

(a) Am I required to update the MIOSHA 300 Log during the 5-year storage period? Yes, during the storage period, you must update your stored MIOSHA 300 Logs to include newly discovered recordable injuries or illnesses and to show any changes that have occurred in the classification of previously recorded injuries and illnesses. If the description or outcome of a case changes, you must remove or line out the original entry and enter the new information.

(b) Am I required to update the annual summary? No, you are not required to update the annual summary, but you may do so if you wish.

(c) Am I required to update the MIOSHA 301 Incident Report? No, you are not required to update the MIOSHA 301 Incident Report, but you may do so if you wish.

History: 1979 AC; 2001 AACS; 2016 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22134

Source: 2001 AACS.

R 408.22135

Source: 2002 AACS.

R 408.22136

Source: 2001 AACS.

R 408.22137

Source: 1979 AC.

R 408.22138

Source: 2015 AACS.

R 408.22139

Source: 2015 AACS.

R 408.22140

Source: 2001 AACS.

R 408.22141

Source: 2019 AACS.

R 408.22141a

Source: 2019 AACS.

R 408.22142

Source: 2001 AACS.

R 408.22143

Source: 2001 AACS.

R 408.22144

Source: 2001 AACS.

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R 408.22151 Public employer petition for alternate record maintenance.

Rule 1151. A public employer who wishes to maintain records in a manner different from that required by this part shall submit a petition containing the information prescribed in R 408.22153 to the Department of Labor and Economic Opportunity, MIOSHA, Box 30643, Lansing, Michigan 48909.

History: 2001 AACS; 2015 AACS; 2016 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22152

Source: 2001 AACS.

R 408.22153

Source: 2001 AACS.

R 408.22154

Source: 2001 AACS.

R 408.22155

Source: 2001 AACS.

R 408.22156 Notice of exception; publication.

Rule 1156. Notice that an exception has been granted as prescribed by this part must be published in the MIOSHA News, a quarterly publication of the department of labor and economic opportunity. This notice may summarize the alternative to the rules involved which the particular exception permits.

History: 2001 AACS; 2015 AACS; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.22157

Source: 2001 AACS.

R 408.22158

Source: 2001 AACS.

R 408.22161

Source: 2015 AACS.

R 408.22162

Source: 2015 AACS.

DEPARTMENT OF CONSUMER & INDUSTRY SERVICES

MIOSHA SAFETY AND HEALTH STANDARDS

PART 12. VARIANCES

R 408.22201

Source: 1979 AC.

R 408.22203

Source: 1998-2000 AACS.

R 408.22204

Source: 1979 AC.

R 408.22212

Source: 1979 AC.

R 408.22213

Source: 1998-2000 AACS.

R 408.22214

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Source: 1979 AC.

R 408.22215

Source: 1979 AC.

R 408.22221

Source: 1998-2000 AACCS.

R 408.22222

Source: 1979 AC.

R 408.22223

Source: 1979 AC.

R 408.22224

Source: 1998-2000 AACCS.

R 408.22225

Source: 1979 AC.

R 408.22226

Source: 1979 AC.

R 408.22227

Source: 1998-2000 AACCS.

R 408.22231

Source: 1979 AC.

R 408.22232

Source: 1979 AC.

R 408.22233

Source: 1979 AC.

R 408.22234

Source: 1998-2000 AACCS.

R 408.22235

Source: 1979 AC.

R 408.22236

Source: 1979 AC.

R 408.22237

Source: 1979 AC.

R 408.22238

Source: 1979 AC.

R 408.22239

Source: 1979 AC.

R 408.22240

Source: 1998-2000 AACCS.

R 408.22251

Source: 1979 AC.

PART 13. INSPECTIONS AND INVESTIGATIONS, CITATIONS, AND PROPOSED PENALTIES

R 408.22301
Source: 1979 AC.

R 408.22303
Source: 1979 AC.

R 408.22305
Source: 1979 AC.

R 408.22307
Source: 1979 AC.

R 408.22309
Source: 1979 AC.

R 408.22311
Source: 1979 AC.

R 408.22321
Source: 1979 AC.

R 408.22322
Source: 1979 AC.

R 408.22323
Source: 1979 AC.

R 408.22324
Source: 1979 AC.

R 408.22325
Source: 1979 AC.

R 408.22326
Source: 1979 AC.

R 408.22331
Source: 1979 AC.

R 408.22333
Source: 1979 AC.

R 408.22338
Source: 1979 AC.

R 408.223239
Source: 1979 AC.

R 408.22342
Source: 1979 AC.

R 408.22344
Source: 1979 AC.

R 408.22346

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Source: 1979 AC.

R 408.22348

Source: 1979 AC.

R 408.22349

Source: 1979 AC.

R 408.22351

Source: 1979 AC.

R 408.22352

Source: 1979 AC.

R 408.22353

Source: 1979 AC.

R 408.22354

Source: 1979 AC.

R 408.22355

Source: 1979 AC.

R 408.22356

Source: 1979 AC.

R 408.22358

Source: 1979 AC.

R 408.22361

Source: 1979 AC.

HEARINGS OFFICE
POLITICAL ACTIVITY HEARINGS

R 408.22901

Source: 1981 AACS.

R 408.22902

Source: 1981 AACS.

WAGE AND FRINGE BENEFIT HEARINGS

R 408.22951

Source: 2015 AACS.

R 408.22952

Source: 2015 AACS.

R 408.22953

Source: 2015 AACS.

R 408.22954

Source: 2015 AACS.

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R 408.22955
Source: 2015 AACCS.

R 408.22956
Source: 2015 AACCS.

R 408.22957
Source: 2015 AACCS.

R 408.22958
Source: 2015 AACCS.

R 408.22959
Source: 2015 AACCS.

R 408.22960
Source: 2015 AACCS.

R 408.22961
Source: 2015 AACCS.

R 408.22962
Source: 2015 AACCS.

R 408.22963
Source: 2015 AACCS.

R 408.22964
Source: 2015 AACCS.

R 408.22965
Source: 2015 AACCS.

R 408.22966
Source: 2015 AACCS.

R 408.22967
Source: 2015 AACCS.

R 408.22968
Source: 2015 AACCS.

R 408.22969
Source: 2015 AACCS.

R 408.22970
Source: 2015 AACCS.

R 408.22971
Source: 2015 AACCS.

BUILDING OFFICIALS, PLAN REVIEWERS, AND INSPECTORS

R 408.30001
Source: 2013 AACCS.

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R 408.30002
Source: 2013 AACCS.

R 408.30004
Source: 1991 AACCS.

R 408.30007
Source: 2013 AACCS.

R 408.30010
Source: 1991 AACCS.

R 408.30013
Source: 2013 AACCS.

R 408.30016
Source: 2013 AACCS.

R 408.30019
Source: 2013 AACCS.

R 408.30022
Source: 2013 AACCS.

R 408.30025
Source: 2013 AACCS.

R 408.30028
Source: 2013 AACCS.

R 408.30031
Source: 2013 AACCS.

R 408.30034
Source: 2013 AACCS.

R 408.30037
Source: 2013 AACCS.

R 408.30040
Source: 2013 AACCS.

R 408.30043
Source: 2013 AACCS.

R 408.30046
Source: 2013 AACCS.

R 408.30049
Source: 2013 AACCS.

R 408.30052
Source: 2013 AACCS.

R 408.30055

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Source: 2013 AACS.

CONSTRUCTION CODE

PART 1. ADMINISTRATION AND ENFORCEMENT

R 408.30101

Source: 1979 AC.

R 408.30111

Source: 1981 AACS.

R 408.30113

Source: 1979 AC.

R 408.30114

Source: 1981 AACS.

R 408.30115

Source: 1979 AC.

R 408.30121

Source: 1979 AC.

PART 2. PERMITS, INSPECTIONS, AND FEES

R 408.30201

Source: 1979 AC.

R 408.30221

Source: 1979 AC.

PART 3. APPEAL BOARDS AND HEARINGS

R 408.30301

Source: 1979 AC.

R 408.30311

Source: 1979 AC.

R 408.30315

Source: 1979 AC.

R 408.30316

Source: 1987 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

PART 4. BUILDING CODE

R 408.30401

Annual Administrative Code Supplement
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Source: 2017 AACCS.

R 408.30401a

Source: 2008 AACCS.

R 408.30402

Source: 2001 AACCS.

R 408.30403

Source: 2016 AACCS.

R 408.30403a

Source: 1997 AACCS.

R 408.30404

Source: 2014 AACCS.

R 408.30405

Source: 2010 AACCS.

R 408.30406

Source: 2004 AACCS.

R 408.30407

Source: 1998-2000 AACCS.

R 408.30408

Source: 2010 AACCS.

R 408.30409

Source: 2014 AACCS.

R 408.30410

Source: 2010 AACCS.

R 408.30411

Source: 2014 AACCS.

R 408.30412

Source: 2014 AACCS.

R 408.30413

Source: 2010 AACCS.

R 408.30414

Source: 2014 AACCS.

R 408.30415

Source: 1997 AACCS.

R 408.30415a

Source: 2016 AACCS.

R 408.30417

Source: 2008 AACCS.

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R 408.30418
Source: 2016 AACCS.

R 408.30419
Source: 2016 AACCS.

R 408.30420
Source: 2016 AACCS.

R 408.30421
Source: 2016 AACCS.

R 408.30422
Source: 1997 AACCS.

R 408.30423
Source: 1997 AACCS.

R 408.30427
Source: 2016 AACCS.

R 408.30427a
Source: 2001 AACCS.

R 408.30427b
Source: 2001 AACCS.

R 408.30427c
Source: 2001 AACCS.

R 408.30427d
Source: 2001 AACCS.

R 408.30427e
Source: 2001 AACCS.

R 408.30428
Source: 2016 AACCS.

R 408.30429
Source: 2016 AACCS.

R 408.30429a
Source: 2016 AACCS.

R 408.30429b
Source: 2014 AACCS.

R 408.30430
Source: 2016 AACCS.

R 408.30431
Source: 1997 AACCS.

R 408.30432
Source: 2016 AACCS.

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R 408.30433
Source: 1998-2000 AACCS.

R 408.30434
Source: 1997 AACCS.

R 408.30437
Source: 2016 AACCS.

R 408.30441
Source: 2016 AACCS.

R 408.30442
Source: 2014 AACCS.

R 408.30443
Source: 2014 AACCS.

R 408.30444
Source: 2008 AACCS.

R 408.30445
Source: 2016 AACCS.

R 408.30446
Source: 2016 AACCS.

R 408.30447
Source: 2016 AACCS.

R 408.30448
Source: 2016 AACCS.

R 408.30448a
Source: 1997 AACCS.

R 408.30448b
Source: 1997 AACCS.

R 408.30448c
Source: 1997 AACCS.

R 408.30448d
Source: 2010 AACCS.

R 408.30449
Source: 2014 AACCS.

R 408.30449a
Source: 1997 AACCS.

R 408.30451e
Source: 1998-2000 AACCS.

R 408.30451a

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Source: 1997 AACs.

R 408.30451b

Source: 1997 AACs.

R 408.30451c

Source: 2016 AACs.

R 408.30451d

Source: 1997 AACs.

R 408.30451e

Source: 1995 AACs.

R 408.30452

Source: 2016 AACs.

R 408.30453

Source: 2001 AACs.

R 408.30454

Source: 1998-2000 AACs.

R 408.30455

Source: 1998-2000 AACs.

R 408.30456

Source: 1998-2000 AACs.

R 408.30457

Source: 2008 AACs.

R 408.30458

Source: 2016 AACs.

R 408. 30459

Source: 2016 AACs.

R 408.30460

Source: 1997 AACs.

R 408.30461

Source: 2004 AACs.

R 408.30475

Source: 2016 AACs.

R 408.30476

Source: 2016 AACs.

R 408.30495

Source: 2008 AACs.

R 408.30495a

Source: 2004 AACs.

R 408.30495b

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Source: 1997 AACS.

R 408.30495c

Source: 1997 AACS.

R 408.30495d

Source: 1997 AACS.

R 408.30495e

Source: 1997 AACS.

R 408.30495f

Source: 1997 AACS.

R 408.30495g

Source: 1997 AACS.

R 408.30495h

Source: 1997 AACS.

R 408.30495i

Source: 1997 AACS.

R 408.30495j

Source: 1997 AACS.

R 408.30495k

Source: 1997 AACS.

R 408.30497

Source: 2016 AACS.

R 408.30499

Source: 2014 AACS.

R 408.30499a

Source: 2001 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

PART 5. RESIDENTIAL CODE

R 408.30500 Applicable code.

Rule 500. The provisions of the international residential code, 2018 edition, including appendices A, B, C, D, E, F, G, J, K, N, O, P, R, and S except for Sections R 104.2, R 104.3, R 104.5, R 104.7, R 104.8, R 104.8.1, R 105.3, R 105.3.1, R 105.3.2, R 105.6, R 105.9, R 108.3, R 108.4, R 108.5, R 108.6, R 109.1, R 112.2, R 112.3, R 112.4, R 113.1 to R 113.3, R 113.4, R 114.1 and R 114.2, R 313.1.1 to R 313.2.1, R 602.11, R 602.12, N 1102.3.2, tables R 507.2.3, N 1101.12.3(3) and figure R 507.2.1(2), R 507.2.3(1), R 507.2.3(2), and R 507.2.4, sections M1411.8, G2411.1.1.1 to G2411.1.1.5, G2439.7.2, P2503.9, P2709.2.3, P2904.1.1 to P2904.8.2, P2905.1, P2905.2, figure P2904.2.4.2, table P2904.2.2, tables P2904.6.2(1) to P2904.6.2(9), P3009.1 to P3009.11.1, E3902.15, E3902.16, E3902.17, and AJ102.4, the IBC-2015, IECC-2015, IMC-2015, IPC-2015, NFPA 70-2014 listed in chapter 44 govern the construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with the exceptions noted, the international residential code is adopted by reference in these

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rules. All references to the International Building Code, International Residential Code, International Energy Conservation Code, National Electrical Code, International Existing Building Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code, respectively. The code is available for inspection and purchase at the Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 W. Ottawa St., 1st Floor Ottawa Building, Lansing, Michigan 48933. The code may be purchased from the International Code Council, through the bureau's website at www.michigan.gov/bcc, at a cost as of the time of adoption of these rules of \$118.00.

History: 2015 AACS; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30501

Source: 2015 AACS.

R 408.30501a

Source: 2015 AACS.

R 408.30501b Intent.

Rule 501b. Sections 101.3 and 101.4 of the code are amended to read as follows:

R101.3. Intent. The purpose of this code is to establish minimum requirements to safeguard the public safety, health, and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment, and to provide safety to fire fighters and emergency responders during emergency operations. The Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to MCL 125.1531 takes precedence over all provisions of this code.

R101.4. Severability. If any section, subsection, sentence, clause, or phrase of this code is found to be invalid by a court of competent jurisdiction, such decision will not affect the validity of the remaining portions of this code.

History: 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30501c Existing structures.

Rule 501c. Section 102.7 is amended to read as follows:

R102.7. Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the international property maintenance code, or the international fire code, or as allowed under the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to MCL 125.1531.

History: 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30502

Source: 2010 AACS.

R 408.30503

Source: 2008 AACS.

R 408.30504 Duties and powers of building official.

Rule 504. Sections R104.6 of the code are amended to read as follows:

R104.6. Right of entry. If a building or premises is occupied, the code official shall present his or her credentials to the occupant and request entry. If a building or premises is unoccupied, the code official shall first make a reasonable effort to locate either the owner, the owner's authorized agent or other person having care or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When a code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, the owner, owner's authorized agent or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after a proper request is made as provided in this rule, to permit the code official prompt entry into the building or premises to inspect or examine the building or premises pursuant to this code.

History: 2001 AACS; 2008 AACS; 2010 AACS; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30505 Work exempt from permit.

Rule 505. Section R105.2 of the code is amended to read as follows:

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R105.2. Work exempt from permit. Exemption from the permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of the code or any other laws or ordinances of this jurisdiction. Permits are not required for any of the following:

(a) Building permits shall not be required for any of the following:

(i) One-story detached accessory structures, if the floor area does not exceed 200 square feet (18.58 m²).

(ii) A fence that is not more than 7 feet (2 134 mm) high.

(iii) A retaining wall that is not more than 4 feet (1 219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

(iv) A water tank supported directly upon grade if the capacity is not more than 5,000 gallons (18 927 L) and the ratio of height to diameter or width is not greater than 2 to 1.

(v) A sidewalk and driveway not more than 30 inches (762 mm) above adjacent grade and not over any basement or story below and not part of an accessible route.

(vi) Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.

(vii) A prefabricated swimming pool that is less than 24 inches (610 mm) deep, and not greater than 5,000 gallons (18 925 L), and is installed entirely above ground.

(viii) Swings and other playground equipment accessory to detached 1- or 2-family dwellings.

(ix) Window awnings in group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1 372 mm) from the exterior wall and do not require additional support, as applicable in Section 101.2 and group U occupancies.

(x) Decks, porches, patios, landings, or similar structures not exceeding 200 square feet (18.58 m²) in area, that are not more than 30 inches (762 mm) above grade at any point as prescribed by Section R312.1.1, are not attached to a dwelling or its accessory structures, are not within 36 inches (914 mm) of a dwelling or its accessory structures, and do not serve any ingress or egress door of the dwelling or its accessory structures.

(b) Electrical permits shall not be required, as in accordance with the Michigan electrical code, R 408.30801 to R 408.30880, for any of the following:

(i) Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

(ii) Radio and television transmitting stations: The provisions of the code do not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for power supply and to the installation of towers and antennas.

(iii) Temporary testing systems: A permit is not required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

(c) Mechanical permits shall not be required for any of the following:

(i) A portable heating or gas appliance that has inputs of less than 30,000 BTU's per hour.

(ii) Portable ventilation appliances and equipment.

(iii) A portable cooling unit.

(iv) Steam, hot water, or chilled water piping within any heating or cooling equipment or appliances regulated by this code.

(v) Replacement of any minor part that does not alter the approval of equipment or an appliance or make such equipment or appliance unsafe.

(vi) A portable evaporative cooler.

(vii) Self-contained refrigeration systems that contain 10 pounds (4.5 kg) or less of refrigerant, or that are actuated by motors of 1 horsepower (0.75kW) or less.

(viii) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(ix) An oil burner that does not require connection to a flue, such as an oil stove and a heater equipped with a wick.

(x) A portable gas burner that has inputs of less than 30,000 BTU's per hour.

(xi) When changing or relocating a gas meter or regulator, a permit is not required when installing gas piping which shall be limited to 10 feet (3 005 mm) in length and not more than 6 fittings.

(xii) When installing geothermal vertical closed loops under the supervision of a mechanical contractor licensed in HVAC as long as the company meets both the following:

(A) Has obtained a certificate of registration as a well drilling contractor pursuant to part 127 of the public health code, 1978 PA 368, MCL 333.12701 to 333.12771.

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(B) Has installed the geothermal vertical closed loops in accordance with the department of environment, Great Lakes, and energy's best practices regarding geothermal heat pump closed loops. Exemption from the permit requirements of this code shall not be deemed to grant authorization for work to be done in violation of the provisions of this code or other laws or ordinances of this jurisdiction.

(d) Plumbing permits shall not be required for either of the following:

(i) The stopping of leaks in drains, water, soil, waste or vent pipe. If any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, then the work is considered as new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

History: 2001 AACS; 2004 AACS.; 2008 AACS; 2010 AACS; 2015 AACS; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30506 Submittal documents.

Rule 506. Sections R 106.1.4 and R802.10.1 of the code are amended and Section R106.1.4 and figure 802.10.1 are added to the code to read as follows:

R106.1.4. Truss design data. As an alternative to the submission of truss design drawings, figure R802.10.1, the truss design data sheet, may be provided to the building official as part of the construction documents at the time of application. Truss design drawings shall be submitted to the building official prior to truss installation as required by Section R802.10.1. R802.10.1 Truss design drawings. Truss design drawings, prepared in conformance with Section R802.10.1, shall be provided to the building official and approved prior to installation. The truss design data sheet, figure R802.10.1, may be provided to the building official at the time of permit application, as an alternative to design drawings as permitted in Section R106.1.4. Truss design drawings shall include, at a minimum, the information specified below. Truss design drawings shall be provided with the shipment of trusses delivered to the jobsite.

(1) Slope or depth, span, and spacing.

(2) Location of all joints.

(3) Required bearing widths.

(4) Design loads as applicable.

(a) Top chord live load (including snow loads).

(b) Top chord dead load.

(c) Bottom chord live load.

(d) Bottom chord dead load.

(e) Concentrated loads and their points of application.

(f) Controlling wind and earthquake loads.

(5) Adjustments to lumber and joint connector design values for conditions of use.

(6) Each reaction force and direction.

(7) Joint connector type and description (e.g., size, thickness, or gauge) and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.

(8) Lumber size, species, and grade for each member.

(9) Connection requirements for the following:

(a) Truss to truss girder.

(b) Truss ply to ply.

(c) Field splices.

(10) Calculated deflection ratio and/or maximum description for live and total load.

(11) Maximum axial compression forces in the truss members to enable the building designer to design the size, connections, and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss design drawing or on supplemental documents.

(12) Required permanent truss member bracing location.

History: 2001 AACS; 2004 AACS.; 2008 AACS; 2010 AACS; 2015 AACS; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30507

Source: 2015 AACS.

R 408.30508

Source: 2008 AACS.

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R 408.30509

Source: 2008 AACs.

R 408.30509a

Source: 2015 AACs.

R 408.30510

Source: 2015 AACs.

R408.30510a

Source: 2015 AACs.

R 408.30511

Source: 2008 AACs.

R 408.30512 Rescinded.

History: 2001 AACs; 2004 AACs; 2008 AACs; 2015 AACs; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30513 Definitions.

Rule 513. The definitions of attic and sunroom addition in Section R202 of the code are amended to read as follows:

R202. Definitions. "Attic, uninhabitable with limited storage" means uninhabitable attics with limited storage where the minimum clear height between joists and rafters is 42 inches (1 063 mm) or greater or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches (1 063 mm) high by 24 inches (610 mm) in width, or greater, within the plane of the trusses. "Attic, uninhabitable without storage" means uninhabitable attics without storage where the maximum clear height between joists and rafters is less than 42 inches (1 063 mm), or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches (1 063 mm) high by 24 inches (610 mm) in width, or greater, within the plane of the trusses. "Building Inspector" means the individual who is responsible for the administration and enforcement of the construction of buildings, structures, or appurtenances under the state construction code specified in R 408.30499 and who is registered in compliance with 2016 PA 407, MCL 339.5101 to 339.6133. "Building Official" means the person who is appointed and employed by a governmental subdivision, who is charged with the administration and enforcement of the state codes specified in R 408.30499, and who is registered in compliance with 2016 PA 407, MCL 339.5101 to 339.6133. "Registered design professional" means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2919.

"Registered inspector" means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2919. "Sunroom addition" means a new structure with glazing in excess of 40% of the gross area of the structure's exterior walls and roof added to an existing dwelling.

History: 2001 AACs; 2004 AACs.; 2008 AACs; 2010 AACs; 2015 AACs; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30514 Rescinded.

History: 2001 AACs; 2004 AACs; 2008 AACs; 2015 AACs; 2021 MR 11, Eff. Oct. 4, 2021.

R 408.30515

Source: 2010 AACs.

R 408.30516

Source: 2015 AACs.

R 408.30517

Source: 2004 AACs.

R 408.30517a

Source: 2010 AACs.

R 408.30518

Source: 2015 AACs.

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R 408.30519
Source: 2010 AACCS.

R 408.30520
Source: 2015 AACCS.

R 408.30521
Source: 2010 AACCS.

R 408.30521a
Source: 2015 AACCS.

R 408.30522
Source: 2015 AACCS.

R 408.30522a
Source: 2015 AACCS.

R408.30523a
Source: 2015 AACCS.

R 408.30524
Source: 2004 AACCS.

R 408.30525
Source: 2008 AACCS.

R 408.30525a
Source: 2015 AACCS.

R 408.30526
Source: 2015 AACCS.

R 408.30527
Source: 2015 AACCS.

R 408.30528
Source: 2010 AACCS.

R 408.30528a
Source: 2015 AACCS.

R 408.30529
Source: 2015 AACCS.

R 408.30530
Source: 2010 AACCS.

R 408.30531
Source: 2010 AACCS.

R 408.30532
Source: 2001 AACCS.

R 408.30533a

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Source: 2015 AACCS.

R 408.30533b

Source: 2015 AACCS.

R 408.30534

Source: 2010 AACCS.

R 408.30535

Source: 2001 AACCS.

R 408.30536

Source: 2015 AACCS.

R 408.30536a

Source: 2015 AACCS.

R 408.30537

Source: 2015 AACCS.

R 408.30537a

Source: 2015 AACCS.

R 408.30537b

Source: 2015 AACCS.

R 408.30537c

Source: 2015 AACCS.

R 408.30537d

Source: 2015 AACCS.

R 408.30538

Source: 2010 AACCS.

R 408.30539

Source: 2008 AACCS.

R 408.30539a

Source: 2010 AACCS.

R 408.30540

Source: 2010 AACCS.

R 408.30541

Source: 2010 AACCS.

R 408.30541a

Source: 2015 AACCS.

R 408.30542

Source: 2015 AACCS.

R 408.30543

Source: 2015 AACCS.

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R 408.30544
Source: 2015 AACCS.

R 408.30544a
Source: 2010 AACCS.

R 408.30544b
Source: 2015 AACCS.

R 408.30544c
Source: 2015 AACCS.

R 408.30545
Source: 2015 AACCS.

R 408.30545a
Source: 2015 AACCS.

R 408.30546
Source: 2015 AACCS.

R 408.30547
Source: 2015 AACCS.

R 408.30547a
Source: 2015 AACCS.

R 408.30547b
Source: 2015 AACCS.

R408.30547c
Source: 2015 AACCS.

R408.30547d
Source: 2015 AACCS.

R408.30547e
Source: 2015 AACCS.

R408.30547f
Source: 2015 AACCS.

R408.30547g
Source: 2015 AACCS.

REHABILITATION CODE

R 408.30551
Source: 2016 AACCS.

R 408.30552
Source: 2014 AACCS.

R 408.30553
Source: 2002 AACCS.

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R 408.30554
Source: 2002 AACCS.

R 408.30555
Source: 2003 AACCS.

R 408.30556
Source: 2014 AACCS.

R 408.30557
Source: 2010 AACCS.

R 408.30558
Source: 2016 AACCS.

R 408.30559
Source: 2016 AACCS.

R 408.30560
Source: 2014 AACCS.

R 408.30561
Source: 2016 AACCS.

R 408.30562
Source: 2008 AACCS.

R 408.30563
Source: 2016 AACCS.

R 408.30564
Source: 2014 AACCS.

R 408.30565
Source: 2008 AACCS.

R 408.30565a
Source: 2016 AACCS.

R 408.30566
Source: 2016 AACCS.

R 408.30567
Source: 2003 AACCS.

R 408.30568
Source: 2014 AACCS.

R 408.30569
Source: 2016 AACCS.

R 408.30570
Source: 2014 AACCS.

R 408.30571

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Source: 2008 AACS.

R 408.30572

Source: 2014 AACS.

R 408.30573

Source: 2014 AACS.

R 408.30575

Source: 2016 AACS.

R 408.30575

Source: 2014 AACS.

R 408.30576

Source: 2014 AACS.

R 408.30577

Source: 2016 AACS.

PART 6. MOBILE HOME CODE

R 408.30601

Source: 1998-2000 AACS.

R 408.30611

Source: 1998-2000 AACS.

R 408.30616

Source: 1998-2000 AACS.

R 408.30621

Source: 1998-2000 AACS.

R 408.30626

Source: 1998-2000 AACS.

R 408.30631

Source: 1998-2000 AACS.

R 408.30636

Source: 1998-2000 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

PART 7. PLUMBING CODE

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30701 Applicable code.

Rule 701. Rules governing the installation, replacement, alteration, relocation, and use of plumbing systems or plumbing

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materials are those contained in the international plumbing code, 2018 edition, including appendices A, B, C, D, E, F, and G, except for sections 104.2, 104.5 to 104.7, 106.3, 106.3.3, 106.5.5, 106.6.1, 106.6.2, 106.6.3, 107.2.5, 107.2.5.1, 107.2.5.2, 107.2.5.3, 108.3, 109.1, 109.2 to 109.7, 404.2, 404.3, 602.3 to 602.3.5.1, 608.18 to 608.18.8, 712.3.3.1, 712.3.3.2, 715.1 to 715.4, 802.4.3.1, 1106.3, 1106.6, 1301 to 1304.4.2, 1401 to 1403.2.1 and tables 608.18.1, 1106.3, and 1106.6. With the exceptions noted, the code is adopted in these rules by reference. All references to the International Building Code, International Residential Code, International Energy Conservation Code, International Electrical Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Energy Code, Michigan Electrical Code, Michigan Mechanical Code, and Michigan Plumbing Code, respectively. The code is available for inspection, and purchase at the Lansing office of the Michigan department of licensing and regulatory affairs, bureau of construction codes for \$83.00 for each code book. The code may be purchased from the International Code Council, through the bureau's website at www.michigan.gov/bcc for \$83.00 for each code book.

History: 1979 AC; 1980 AACS; 1982 AACS; 1985 AACS; 1989 AACS; 1992 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2010 AACS; 2013 AACS; 2016 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30709

Source: 1979 AC.

R 408.30711 Title and scope.

Rule 711. Sections 101.1, 101.2, and 101.3 of the code are amended to read as follows:

101.1. Title. This part shall be known as the Michigan plumbing code and is hereinafter referred to as "the plumbing code" or "the code." This part shall control all matters concerning the installation, replacement, alteration, relocation, and use of plumbing systems or plumbing materials as herein defined and shall apply to existing or proposed buildings and structures in the state.

101.2. Scope. The design and installation of plumbing systems, including sanitary and storm drainage, sanitary facilities, medical gas systems, water supplies, water service, and storm water and sewage disposal in and exiting buildings, shall comply with the requirements of the code. The design and installation of gas piping, chilled water piping in connection with refrigeration process and comfort cooling, and hot water piping in connection with building heating systems shall conform to the Michigan mechanical code. The design and installation of all fire sprinkler systems and standpipe systems shall conform to the Michigan building code. Water and drainage connections to such installations shall be made in accordance with the requirements of the code.

Exception: Detached 1-and 2-family dwellings and multiple single-family dwellings (townhouses) not more than 3 stories high with separate means of egress and their accessory structures shall comply with the Michigan residential code.

101.3. Intent. The purpose of this code is to establish minimum standards to provide a reasonable level of safety, health, property protection and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, and operation and maintenance or use of plumbing equipment and systems. The act takes precedence over all provisions of this code.

History: 1979 AC; 1980 AACS; 1982 AACS; 1998-2000 AACS; 2001AACS; 2010 AACS; 2013 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30712

Source: 2001 AACS.

R 408.30713

Source: 2016 AACS.

R 408.30714

Source: 2010 AACS.

R 408.30715 Permits.

Rule 715. Sections 106.5.3 and 106.5.4 of the code are amended to read as follows:

106.5.3. Expiration. Each permit issued by the code official under the provisions of the code shall expire by limitation and become null and void if the work authorized by this permit is not commenced within 180 days from the date of such permit, or if the work authorized by this permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before this work may be recommenced, the permit shall be reinstated if the code has not changed. If the code has changed and the work was not started, a new permit shall be first obtained for such work, provided no changes have been

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made or will be made in the original construction document for this work and provided further that the suspension or abandonment has not exceeded 1 year.

106.5.4. Application and extensions. The authority having jurisdiction may grant a 180-day extension of the original permit time period of 180 days, upon presentation by the permittee of a satisfactory reason for failure to start or complete the work or activity authorized by the permit.

History: 1979 AC; 1982 AACS; 1985 AACS; 1992 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2013 AACS; 2016 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30716

Source: 2007 AACS.

R 408.30717 Right of entry.

Rule 717. Section 104.4 of the code is amended to read as follows:

104.4 Right of entry. If a building or premises is occupied, the code official shall present his or her credentials to the occupant and request entry. If a building or premises is unoccupied, the code official shall first make a reasonable effort to locate either the owner, the owner's authorized agent or other person having care or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When a code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, the owner, owner's authorized agent or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after a proper request is made as provided in this rule, to permit the code official prompt entry into the building or premises to inspect or examine the building or premises pursuant to this code.

History: 1982 AACS; 1985 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2010 AACS; 2013 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30718 Violation penalties.

Rule 718. Section 108.4 of the code is amended to read as follows:

108.4. Violation penalties. A person who violates a provision of the code, who fails to conform with any of the requirements thereof, or who erects, installs, alters, or repairs plumbing work in violation of the approved construction documents or directive of the enforcing agency, or a permit or certificate issued under the provisions of the code shall be subject to review and may result in licensing action pursuant to the skilled trades regulation act, 2016 PA 407, MCL 339.5101 to 339.5517.

History: 1982 AACS; 1985 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30719 Rescinded.

History: 1982 AACS; 1985 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2013 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30720 Rescinded.

History: 1982 AACS; 1985 AACS; 1989 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2013 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30721

Source: 2016 AACS.

R 408.30722

Source: 2013 AACS.

R 408.30723

Source: 2013 AACS.

R 408.30724

Source: 2016 AACS.

R 408.30725

Source: 1998-2000 AACS.

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R 408.30725a

Source: 1998-2000 AACs.

R 408.30725b

Source: 1998-2000 AACs.

R 408.30725c

Source: 2013 AACs.

R 408.30726 Building sewer.

Rule 726. Table 702.3 and section 703.1 of the code are amended to read as follows:

Table 702.3

BUILDING SEWER PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including Schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D2661; ASTM F628; ASTM F1488; CSA B181.1
Acrylonitrile butadiene styrene (ABS) plastic pipe in sewer and drain diameters, including SDR 42 (PS 20), PS 35, SDR 35 (PS 45), PS 50, PS 100, PS 140, SDR 23.5 (PS 150) and PS 200; with a solid, cellular core or composite wall.	ASTM F1488; ASTM D2751
Cast-iron pipe	ASTM A74; ASTM A888; CISPI 301
Concrete pipe	ASTM C14; ASTM C76; CSA A257.1M; CSA A257.2M
Copper or copper-alloy tubing (Type K or L)	ASTM B75; ASTM B88; ASTM B251
Polyethylene (PE) plastic pipe (SDR-PR)	ASTM F714
Polypropylene (PP) plastic pipe	ASTM F2736; ASTM F2764; CSA B182.13
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, including Schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall	ASTM D2665; ASTM F891; ASTM F1488
Polyvinyl chloride (PVC) plastic pipe in sewer and drain diameters, including PS 25, SDR 41 (PS 28), PS 35, SDR 35 (PS 46), PS 50, PS 100, SDR 26 (PS 115), PS 140 and PS 200; with a solid, cellular core or composite wall.	ASTM F891; ASTM F1488; ASTM D3034; CSA B182.2; CSA B182.4
Polyvinyl chloride (PVC) plastic pipe with a 3.25-inch O.D. and a solid, cellular core or composite wall	ASTM D2949; ASTM F1488
Polyvinylidene fluoride (PVDF) plastic pipe	ASTM F1673; CSA B181.3
Stainless steel drainage systems, Types 304 and 316L	ASME A112.3.1
Vitrified clay pipe	ASTM C4; ASTM C700

For SI: 1 inch = 25.4 mm.

703.2 Drainage pipe in filled ground. Where a building sewer or building drain is installed on filled or unstable ground, the drainage pipe shall conform to one of the standards for ABS plastic pipe, cast-iron pipe, copper or copper-alloy tubing, or PVC plastic pipe indicated in Table 702.3.

History: 1979 AC; 1982 AACs; 1985 AACs; 1989 AACs; 1998-2000 AACs; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30727 Water distribution pipe.

Rule 727. Table 605.4 of the code is amended to read as follows:

Table 605.4

WATER DISTRIBUTION PIPE

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MATERIAL	STANDARD
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D2846; ASTM F441; ASTM F442; CSA B137.6
Chlorinated polyvinyl chloride/aluminum/chlorinated polyvinyl chloride (CPVC/AL/CPVC)	ASTM F2855
Copper or copper-alloy pipe	ASTM B42; ASTM B302; ASTM B43
Copper or copper-alloy tubing (Type K, WK, L, WL, M or WM)	ASTM B75; ASTM B88; ASTM B251; ASTM B447
Cross-linked polyethylene (PEX) plastic tubing	ASTM F876; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F1281; ASTM F2262; CSA B137.10
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F1986
Ductile iron pipe	AWWA C151/A21.51; AWWA C115/A21.15
Polyethylene/aluminum/polyethylene (PE-AL-PE) composite pipe	ASTM F1282
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F2769; CSA B137.158
Polypropylene (PP) plastic pipe or tubing	ASTM F2389; CSA B137.11
Stainless steel pipe (Type 304/304L)	ASTM A312; ASTM A778
Stainless steel pipe (Type 316/316L)	ASTM A312; ASTM A778

History: 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30728

Source: 2013 AACs.

R 408.30729 Water service pipe.

Rule 729. Table 605.3 and section 609.3 of the code are amended to read as follows:

Table 605.3

Water Service Pipe

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D1527; ASTM D2282
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D2846; ASTM F441; ASTM F442; CSA B137.6
Chlorinated polyvinyl chloride/aluminum/chlorinated polyvinyl chloride (CPVC/AL/CPVC)	ASTM F2855
Copper or copper-alloy pipe	ASTM B42; ASTM B302
Copper or copper-alloy tubing (Type K, WK, L, WL, M or WM)	ASTM B75; ASTM B88; ASTM B251; ASTM B447
Cross-linked polyethylene (PEX) plastic pipe and tubing	ASTM F876; AWWA C904; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AS-PEX) pipe	ASTM F1281; ASTM F2262; B137.10
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F1986
Ductile iron water pipe	AWWA C151/A21.51; AWWA C115/A21.15
Polyethylene (PE) plastic pipe	ASTM D2239; ASTM D3035; AWWA C901; CSA B137.11
Polyethylene (PE) plastic tubing	ASTM D2737; AWWA C901; CSA B137.1
Polyethylene/aluminum/polyethylene (PE-AL-PE) pipe	ASTM F1282; CSA B 137.9
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F2769; CSA B137.18

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Polypropylene (PP) plastic pipe or tubing	ASTM F2389; CSA B137.11
Polyvinyl chloride (PVC) plastic pipe	ASTM D1785; ASTM D2241; ASTM D2672; CSA B137.3
Stainless steel pipe (Type 304/304L)	ASTM A312; ASTM A778
Stainless steel pipe (Type 316/316L)	ASTM A312; ASTM A778
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D2846; ASTM F441; ASTM F442; CSA B137.6
Chlorinated polyvinyl chloride/aluminum/chlorinated polyvinyl chloride (CPVC/AL/CPVC)	ASTM F2855
Copper or copper-alloy pipe	ASTM B-42; ASTM B302; ASTM B43
Copper or copper-alloy tubing (Type K, WK, L, WL, M or WM)	ASTM B75; ASTM B88; ASTM B251; ASTM B447
Cross-linked polyethylene (PEX) plastic tubing	ASTM F876; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F1281; ASTM F2262; CSA B137.10
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F1986
Ductile iron pipe	AWWA C151/A21.51; AWWA C115/A21.15
Polyethylene/aluminum/polyethylene (PE-AL-PE) composite pipe	ASTM F1282
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F2769; CSA B137.158
Polypropylene (PP) plastic pipe or tubing	ASTM F2389; CSA B137.11
Stainless steel pipe (Type 304/304L)	ASTM A312; ASTM A778
Stainless steel pipe (Type 316/316L)	ASTM A312; ASTM A778

609.3 Hot water. Hot water shall be provided to supply all of the hospital fixture, kitchen, and laundry requirements. Special fixtures and equipment shall have hot water supplied at a temperature specified by the manufacturer. The hot water system shall be installed in accordance with section 607.

History: 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30730

Source: 2016 AACs.

R 408.30731

Source: 2016 AACs.

R 408.30732

Source: 1997 AACs.

R 408.30733

Source: 1997 AACs.

R 408.30734

Source: 1998-2000 AACs.

R 408.30735

Source: 2016 AACs.

R 408.30736

Source: 1997 AACs.

R 408.30737

Source: 1998-2000 AACs.

R 408.30738

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Source: 1997 AACS.

R 408.30738a

Source: 1998-2000 AACS.

R 408.30739

Source: 1997 AACS.

R 408.30740

Source: 1998-2000 AACS.

R 408.30740a

Source: 2003 AACS.

R 408.30740b

Source: 1998-2000 AACS.

R 408.30740c

Source: 2001 AACS.

R 408.30741c Connections to automatic fire sprinkler systems and standpipe systems.

Rule 741c. Section 608.17.4 of the code is amended to read as follows:

608.17.4. Connections to automatic fire sprinkler systems and standpipe systems. The potable water supply to automatic fire sprinkler and standpipe systems shall be protected against backflow by a double check backflow prevention assembly, a double check fire protection backflow prevention assembly, or a reduced pressure principle fire protection backflow prevention assembly.

Exception: Isolation of the water distribution system is not required for deluge, preaction, or dry pipe systems.

History: 1979 AC; 1985 AACS; 1989 AACS; 1998-2000 AACS; 2001 AACS; 2003 AACS; 2007 AACS; 2013 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30741a

Source: 1997 AACS.

R 408.30741b

Source: 1997 AACS.

R 408.30741c

Source: 2013 AACS.

R 408.30742,

Source: 1997 AACS.

R 408.30743

Source: 1997 AACS.

R 408.30743a

Source: 1998-2000 AACS.

R 408.30743b

Source: 1997 AACS.

R 408.30743c

Source: 1998-2000 AACS.

R 408.30744

Source: 1997 AACS.

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R 408.30744a
Source: 1998-2000 AACS.

R 408.30744b
Source: 1998-2000 AACS.

R 408.30744c
Source: 1998-2000 AACS.

R 408.30744d
Source: 1998-2000 AACS.

R 408.30744e
Source: 2003 AACS.

R 408.30744f
Source: 1998-2000 AACS.

R 408.30745
Source: 1997 AACS.

R 408.30745a
Source: 1997 AACS.

R 408.30745b
Source: 1997 AACS.

R 408.30746
Source: 1998-2000 AACS.

R 408.30746a
Source: 1997 AACS.

R 408.30746b
Source: 1997 AACS.

R 408.30747
Source: 1997 AACS.

R 408.30747a
Source: 1998-2000 AACS.

R 408.30747b
Source: 1998-2000 AACS.

R 408.30747c
Source: 1997 AACS.

R 408.30748
Source: 1998-2000 AACS.

R 408.30748a
Source: 1997 AACS.

R 408.30748b
Source: 1997 AACS.

R 408.30748c

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Source: 1997 AACS.

R 408.30749

Source: 2013 AACS.

R 408.30749a

Source: 1998-2000 AACS.

R 408.30750

Source: 1998-2000 AACS.

R 408.30751

Source: 1997 AACS.

R 408.30751a

Source: 1998-2000 AACS.

R 408.30752

Source: 1997 AACS.

R 408.30752a

Source: 1997 AACS.

R 408.30753a

Source: 2013 AACS.

R 408.30754

Source: 1997 AACS.

R 408.30754a

Source: 2013 AACS.

R 408.30754b

Source: 2013 AACS.

R 408.30754c

Source: 1998-2000 AACS.

R 408.30755 Storm drainage.

Rule 755. Table 1102.4 of the code is amended to read as follows:

TABLE 1102.4

BUILDING STORM SEWER PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe in IPS diameters, including Schedule 40, DR 22 (PS 200) and DR 24 (PS 140); with a solid, cellular core or composite wall.	ASTM D2661; ASTM F628; ASTM F1488; CSA B181.1; CSA B182.1
Cast-iron pipe	ASTM A74; ASTM A888; CISPI 301
Concrete pipe	ASTM C14; ASTM C76; CSA A257.1M; CSA A257.2M
Copper or copper-alloy tubing (Type K, L, M or DWV)	ASTM B75; ASTM B88; ASTM B251; ASTM B306
Polyethylene (PE) plastic pipe	ASTM F667; ASTM F2306/F2306; ASTM F2648/F2548M
Polypropylene (PP) plastic pipe	ASTM F2736; ASTM F2764; CSA B182.13
Vitrified clay pipe	ASTM C4; ASTM C700

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Stainless steel drainage systems, Type 316L	ASME A112.3.1
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History: 1979 AC; 1982 AACS; 1997 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30756

Source: 1998-2000 AACS.

R 408.30756a

Source: 1998-2000 AACS.

R 408.30757 Horizontal drains within building and building sewers.

Rule 757. Sections 708.3, 708.3.4, and 708.3.5 of the code are being added to read as follows:

708.3 Where required. Cleanouts shall be located in accordance with sections 708.3.1, 708.3.3 to 708.3.5.

708.3.1. Horizontal drains within building and building sewers. All horizontal drains within buildings and building sewers shall be provided with cleanouts located not more than 100 feet (30 480 mm) apart.

For underground piping that is more than 10 inches in diameter, manholes shall be provided and located at every major change of direction, grade, elevation, or size of pipe or at intervals of not more than 400 feet (12 1920 mm). Metal covers shall be provided for the manholes and shall be of sufficient weight to meet local traffic and loading conditions.

Within buildings, manhole covers shall be gastight and the manhole shall be vented with not less than a 4- inch (102 mm) pipe.

708.3.3. Changes of direction. Cleanouts shall be installed at each change of direction greater than 45 degrees (0.79 rad) in the building sewer, building drain and horizontal waste or soil lines. Where more than one change of direction occurs in a run of piping, only one cleanout shall be required for each 40 feet (12 192 mm) of developed length of the drainage piping.

708.3.4. Base of stack. A cleanout shall be provided at the base of each waste or soil stack.

708.3.5. Building drain and building sewer junction. There shall be a cleanout near the junction of the building drain and the building sewer. The cleanout shall be either inside or outside the building wall and shall be brought up to the finished ground level or to the basement floor level. An approved two-way cleanout is allowed to be used at this location to serve as a required cleanout for both the building drain and building sewer. The cleanout at the junction of the building drain and building sewer shall not be required if the cleanout on a 3 – inch (76mm) or larger diameter soil stack is located within a developed length of 10 feet (3048 mm) of the building drain and building sewer connection. The minimum size of the cleanout at the junction of the building drain and building sewer shall comply with Section 708.7.

History: 1979 AC; 1998-2000 AACS; 2001 AACS; 2013 AACS; 2017 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30757a

Source: 2016 AACS.

R 408.30758

Source: 2016 AACS.

R 408.30758a

Source: 1997 AACS.

R 408.30758b

Source: 1997 AACS.

R 408.30758c

Source: 1997 AACS.

R 408.30758d

Source: 1997 AACS.

R 408.30759

Source: 1998-2000 AACS.

R 408.30759a

Source: 2001 AACS.

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- R 408.30759b**
Source: 2001 AACCS.
- R 408.30760**
Source: 2001 AACCS.
- R 408.30761**
Source: 1998-2000 AACCS.
- R 408.30761a**
Source: 1998-2000 AACCS.
- R 408.30761b**
Source: 1998-2000 AACCS.
- R 408.30761c**
Source: 2001 AACCS.
- R 408.30762**
Source: 1998-2000 AACCS.
- R 408.30763**
Source: 2016 AACCS.
- R 408.30763a**
Source: 2013 AACCS.
- R 408.30763b**
Source: 1998-2000 AACCS.
- R 408.30763c**
Source: 1998-2000 AACCS.
- R 408.30764**
Source: 1997 AACCS.
- R 408.30765**
Source: 1997 AACCS.
- R 408.30765a**
Source: 1997 AACCS.
- R 408.30765b**
Source: 1997 AACCS.
- R 408.30765c**
Source: 1997 AACCS.
- R 408.30765d**
Source: 1997 AACCS.
- R 408.30765e**
Source: 1997 AACCS.
- R 408.30766**
Source: 1997 AACCS.

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R 408.30766a
Source: 1997 AACs.

R 408.30766b
Source: 1997 AACs.

R 408.30766c
Source: 1997 AACs.

R 408.30766d
Source: 1997 AACs.

R 408.30767
Source: 1997 AACs.

R 408.30767a
Source: 1997 AACs.

R 408.30768
Source: 1997 AACs.

R 408.30768a
Source: 1997 AACs.

R 408.30768b
Source: 1997 AACs.

R 408.30769
Source: 1997 AACs.

R 408.30769a
Source: 1997 AACs.

R 408.30769b
Source: 1997 AACs.

R 408.30769c
Source: 1997 AACs.

R 408.30770
Source: 1997 AACs.

R 408.30770a
Source: 1997 AACs.

R 408.30770b
Source: 1997 AACs.

R 408.30771
Source: 1997 AACs.

R 408.30771a
Source: 1997 AACs.

R 408.30771b
Source: 1997 AACs.

R 408.30771c

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Source: 1997 AACs.

R 408.30771d

Source: 1997 AACs.

R 408.30771e

Source: 1997 AACs.

R 408.30772

Source: 1997 AACs.

R 408.30772a

Source: 1997 AACs.

R 408.30772b

Source: 1997 AACs.

R 408.30772c

Source: 1997 AACs.

R 408.30772d

Source: 1997 AACs.

R 408.30772e

Source: 1997 AACs.

R 408.30773

Source: 1997 AACs.

R 408.30773a

Source: 1997 AACs.

R 408.30773b

Source: 1997 AACs.

R 408.30773c

Source: 1997 AACs.

R 408.30773d

Source: 1997 AACs.

R 408.30774

Source: 1997 AACs.

R 408.30774a

Source: 1997 AACs.

R 408.30774b

Source: 1997 AACs.

R 408.30774c

Source: 1997 AACs.

R 408.30774d

Source: 1997 AACs.

R 408.30774e

Source: 1997 AACs.

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- R 408.30774f**
Source: 1997 AACCS.
- R 408.30775**
Source: 1997 AACCS.
- R 408.30775a**
Source: 1997 AACCS.
- R 408.30775b**
Source: 1997 AACCS.
- R 408.30775c**
Source: 1997 AACCS.
- R 408.30775d**
Source: 1997 AACCS.
- R 408.30776**
Source: 1997 AACCS.
- R 408.30776a**
Source: 1997 AACCS.
- R 408.30776b**
Source: 1997 AACCS.
- R 408.30776c**
Source: 1997 AACCS.
- R 408.30777**
Source: 2007 AACCS.
- R 408.30777a**
Source: 1998-2000 AACCS.
- R 408.30777b**
Source: 1997 AACCS.
- R 408.30777c**
Source: 1998-2000 AACCS.
- R 408.30777d**
Source: 1998-2000 AACCS.
- R 408.30777e**
Source: 1998-2000 AACCS.
- R 408.30778**
Source: 1998-2000 AACCS.
- R 408.30778a**
Source: 1998-2000 AACCS.
- R 408.30778b**
Source: 1998-2000 AACCS.
- R 408.30778c**

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Source: 1998-2000 AACS.

R 408.30779

Source: 1998-2000 AACS.

R 408.30779a

Source: 1998-2000 AACS.

R 408.30779b

Source: 1998-2000 AACS.

R 408.30780

Source: 1998-2000 AACS.

R 408.30780a

Source: 1998-2000 AACS.

R 408.30780b

Source: 1998-2000 AACS.

R 408.30780c

Source: 1997 AACS.

R 408.30781

Source: 1997 AACS.

R 408.30782

Source: 1997 AACS.

R 408.30783

Source: 1997 AACS.

R 408.30784

Source: 1997 AACS.

R 408.30785

Source: 2010 AACS.

R 408.30786

Source: 2016 AACS.

R 408.30788

Source: 1998-2000 AACS.

R 408.30788a

Source: 1997 AACS.

R 408.30791 Definitions.

Rule 791. (1) Section 202 of the code is amended to amend the definition of code official and add the definition of act.

(2) “Act” means the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531.

(3) “Code official” means individual who is registered pursuant to article 10 of the skilled trades regulation act, 2016 PA 407, MCL 339.6001 to 339.6023, and who is authorized to conduct the inspections needed to determine compliance with the provisions of this code. Construction or work that requires a permit shall be subject to inspection by the code official. This construction or work shall remain visible and be accessible for inspection purposes until approved.

History: 1979 AC; 2001 AACS; 2003 AACS; 2007 AACS; 2013 AACS; 2016 AACS; 2021 MR 10, Eff. Sept. 15, 2021.

R 408.30792

Source: 2016 AACS.

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R 408.30793
Source: 2001 AACS.

R 408.30795
Source: 2001 AACS.

R 408.30795a
Source: 2001 AACS.

R 408.30796
Source: 2001 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

PART 8. ELECTRICAL CODE

R 408.30801
Source: 2019 AACS.

R 408.30805
Source: 2019 AACS.

R 408.30806
Source: 2019 AACS.

R 408.30807
Source: 2019 AACS.

R 408.30808
Source: 2019 AACS.

R 408.30809
Source: 2007 AACS.

R 408.30810
Source: 2019 AACS.

R 408.30811
Source: 2019 AACS.

R 408.30812
Source: 2019 AACS.

R 408.30813
Source: 2019 AACS.

R 408.30814
Source: 2019 AACS.

R 408.30815
Source: 2013 AACS.

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- R 408.30816**
Source: 2004 AACS.
- R 408.30817**
Source: 2019 AACS.
- R 408.30818**
Source: 2019 AACS.
- R 408.30819**
Source: 2019 AACS.
- R 408.30820**
Source: 2019 AACS.
- R 408.30821**
Source: 2019 AACS.
- R 408.30822**
Source: 2019 AACS.
- R 408.30823**
Source: 2019 AACS.
- R 408.30824**
Source: 2019 AACS.
- R 408.30825**
Source: 1998-2000 AACS.
- R 408.30826**
Source: 2019 AACS.
- R 408.30827**
Source: 2019 AACS.
- R 408.30828**
Source: 2019 AACS.
- R 408.30829**
Source: 2019 AACS.
- R 408.30830**
Source: 1998-2000 AACS.
- R 408.30831**
Source: 2004 AACS.
- R 408.30832**
Source: 1997 AACS.
- R 408.30834**
Source: 2019 AACS.
- R 408.30835**
Source: 2019 AACS.
- R 408.30837**

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Source: 2004 AACS.

R 408.30838

Source: 2015 AACS.

R 408.30839

Source: 1998-2000 AACS.

R 408.30843

Source: 2004 AACS.

R 408.30865

Source: 2015 AACS.

R 408.30866

Source: 2004 AACS.

R 408.30867

Source: 2019 AACS.

R 408.30868

Source: 2019 AACS.

R 408.30869

Source: 2019 AACS.

R 408.30870

Source: 2019 AACS.

R 408.30871

Source: 2019 AACS.

R 408.30872

Source: 2013 AACS.

R 408.30873

Source: 2015 AACS.

R 408.30880

Source: 2013 AACS.

PART 9. MECHANICAL CODE

R 408.30901

Source: 1997 AACS.

PART 9A. MECHANICAL CODE

AMENDMENTS AND ADDITIONS TO BASIC MECHANICAL CODE

R 408.30901a

Source: 2016 AACS.

R 408.30902a

Source: 2003 AACS.

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- R 408.30903a**
Source: 2001 AACS.
- R 408.30904a**
Source: 2001 AACS.
- R 408.30905a**
Source: 2007 AACS.
- R 408.30906a**
Source: 2013 AACS.
- R 408.30907a**
Source: 2007 AACS.
- R 408.30908a**
Source: 2007 AACS.
- R 408.30909a**
Source: 2007 AACS.
- R 408.30910a**
Source: 2013 AACS.
- R 408.30912a**
Source: 2016 AACS.
- R 408.30915a**
Source: 2016 AACS.
- R 408.30916**
Source: 2016 AACS.
- R 408.30917a**
Source: 1998-2000 AACS.
- R 408.30918a**
Source: 2016 AACS.
- R 408.30919a**
Source: 1997 AACS.
- R 408.30920a**
Source: 1998-2000 AACS.
- R 408.30921a**
Source: 1997 AACS.
- R 408.30922a**
Source: 1998-2000 AACS.
- R 408.30923a**
Source: 2016 AACS.
- R 408.30924a**
Source: 2001 AACS.

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R 408.30925a
Source: 1998-2000 AACS.

R 408.30926a
Source: 1998-2000 AACS.

R 408.30927a
Source: 2013 AACS.

R 408.30928a
Source: 2016 AACS.

R 408.30929a
Source: 1998-2000 AACS.

R 408.30930a
Source: 1998-2000 AACS.

R 408.30931a
Source: 1998-2000 AACS.

R 408.30932a
Source: 1998-2000 AACS.

R 408.30933a
Source: 1998-2000 AACS.

R 408.30935a
Source: 2016 AACS.

R 408.30936a
Source: 2016 AACS.

R 408.30937a
Source: 1998-2000 AACS.

R 408.30938a
Source: 1997 AACS.

R 408.30940a
Source: 2001 AACS.

R 408.30941a
Source: 1998-2000 AACS.

R 408.30942a
Source: 1997 AACS.

R 408.30943a
Source: 1997 AACS.

R 408.30944a
Source: 1998-2000 AACS.

R 408.30945a
Source: 2016 AACS.

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- R 408.30946**
Source: 2016 AACCS.
- R 408.30946a**
Source: 2010 AACCS.
- R 408.30947**
Source: 2016 AACCS.
- R 408.30947a**
Source: 2013 AACCS.
- R 408.30948**
Source: 2016 AACCS.
- R 408.30948a**
Source: 2016 AACCS.
- R 408.30949a**
Source: 1998-2000 AACCS.
- R 408.30951a**
Source: 1998-2000 AACCS.
- R 408.30952a**
Source: 1997 AACCS.
- R 408.30953a**
Source: 1998-2000 AACCS.
- R 408.30954a**
Source: 1998-2000 AACCS.
- R 408.30955a**
Source: 1997 AACCS.
- R 408.30956a**
Source: 1998-2000 AACCS.
- R 408.30958a**
Source: 1998-2000 AACCS.
- R 408.30960a**
Source: 1997 AACCS.
- R 408.30962a**
Source: 1998-2000 AACCS.
- R 408.30963a**
Source: 1998-2000 AACCS.
- R 408.30964a**
Source: 1997 AACCS.
- R 408.30965a**
Source: 1998-2000 AACCS.

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R 408.30966a
Source: 1997 AACS.

R 408.30967a
Source: 1997 AACS.

R 408.30968a
Source: 1997 AACS.

R 408.30970a
Source: 1997 AACS.

R 408.30971a
Source: 1997 AACS.

R 408.30972a
Source: 1997 AACS.

R 408.30975a
Source: 1998-2000 AACS.

R 408.30977a
Source: 1997 AACS.

R 408.30982a
Source: 1997 AACS.

R 408.30983a
Source: 1998-2000 AACS.

R 408.30984a
Source: 1998-2000 AACS.

R 408.30987a
Source: 1998-2000 AACS.

R 408.30989a
Source: 1997 AACS.

R 408.30992a
Source: 1997 AACS.

R 408.30995a
Source: 2013 AACS.

R 408.30996
Source: 2013 AACS.

R 408.30997
Source: 1997 AACS.

R 408.30998
Source: 1997 AACS.

PART 10. ENERGY CONSERVATION IN NEW BUILDING DESIGN

R 408.31001

Annual Administrative Code Supplement
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Source: 1998-2000 AACS.

R 408.31010

Source: 1998-2000 AACS.

R 408.31020

Source: 1998-2000 AACS.

R 408.31030

Source: 1998-2000 AACS.

R 408.31040

Source: 1998-2000 AACS.

R 408.31041

Source: 1998-2000 AACS.

R 408.31045

Source: 1998-2000 AACS.

R 408.31050

Source: 1998-2000 AACS.

R 408.31055

Source: 1998-2000 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

BUREAU OF CONSTRUCTION CODES

CONSTRUCTION CODE

PART 10. MICHIGAN ENERGY CODE

R 408.31059

Source: 2015 AACS.

R 408.31060

Source: 2015 AACS.

R 408.31060b

Source: 2010 AACS.

R 408.31060c

Source: 2010 AACS.

R 408.31060d

Source: 2010 AACS.

R 408.31060e

Source: 2010 AACS.

R 408.31061

Source: 2010 AACS.

R 408.31062

Source: 2010 AACS.

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R 408.31063
Source: 2015 AACCS.

R 408.31063a
Source: 2015 AACCS.

R 408.301064
Source: 2010 AACCS.

R 408.31065
Source: 2015 AACCS.

R 408.31066
Source: 2015 AACCS.

R 408.31069
Source: 2015 AACCS.

R 408.31070
Source: 2015 AACCS.

R408.31071
Source: 2015 AACCS.

R 408.31071a
Source: 2015 AACCS.

R 408.31072
Source: 2008 AACCS.

R 408.31073
Source: 2008 AACCS.

R 408.31074
Source: 2008 AACCS.

R 408.31075
Source: 2008 AACCS.

R 408.31076
Source: 2008 AACCS.

R 408.31077
Source: 2008 AACCS.

R 408.31078
Source: 2008 AACCS.

R 408.31079
Source: 2008 AACCS.

R 408.31080
Source: 2008 AACCS.

R 408.31081
Source: 2008 AACCS.

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R 408.31082
Source: 2008 AACS.

R 408.31083
Source: 2008 AACS.

R 408.31084
Source: 2008 AACS.

R 408.31085
Source: 2008 AACS.

R 408.31086
Source: 2008 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

PART 10a MICHIGAN ENERGY CODE

R 408.31087
Source: 2017 AACS.

R 408.31087a
Source: 2017 AACS.

R 408.31087b
Source: 2017 AACS.

R 408.31088
Source: 2017 AACS.

R 408.31088a
Source: 2017 AACS.

R 408.31089
Source: 2017 AACS.

R 408.31090
Source: 2017 AACS.

R 408.31091
Source: 2017 AACS.

R 408.31092
Source: 2017 AACS.

R 408.31092a
Source: 2017 AACS.

R 408.31093
Source: 2017 AACS.

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R 408.31094
Source: 2017 AACCS.

R 408.31095
Source: 2017 AACCS.

R 408.31096
Source: 2017 AACCS.

R 408.31097
Source: 2017 AACCS.

R 408.31098
Source: 2017 AACCS.

R 408.31098a
Source: 2017 AACCS.

R 408.31098b
Source: 2017 AACCS.

R 408.31098c
Source: 2017 AACCS.

PART 11. PREMANUFACTURED UNITS

R 408.31101
Source: 1979 AC.

R 408.31103
Source: 1984 AACCS.

R 408.31104
Source: 1984 AACCS.

R 408.31105
Source: 1984 AACCS.

R 408.31106
Source: 1984 AACCS.

R 408.31107
Source: 2006 AACCS.

R 408.31111
Source: 1984 AACCS.

R 408.31112
Source: 1979 AC.

R 408.31113
Source: 1984 AACCS.

R 408.31121
Source: 1979 AC.

R 408.31122
Source: 1984 AACCS.

R 408.31131

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Source: 1979 AC.

R 408.31132

Source: 1984 AACS.

R 408.31133

Source: 1984 AACS.

R 408.31134

Source: 1984 AACS.

R 408.31135

Source: 1984 AACS.

R 408.31136

Source: 1984 AACS.

R 408.31137

Source: 1984 AACS.

R 408.31138

Source: 1984 AACS.

R 408.31139

Source: 1984 AACS.

R 408.31141

Source: 1984 AACS.

R 408.31142

Source: 1984 AACS.

R 408.31143

Source: 1979 AC.

R 408.31144

Source: 1984 AACS.

R 408.31145

Source: 1984 AACS.

R 408.31151

Source: 1979 AC.

R 408.31152

Source: 1984 AACS.

R 408.31153

Source: 1984 AACS.

R 408.31161

Source: 1979 AC.

R 408.31162

Source: 1984 AACS.

R 408.31163

Source: 1979 AC.

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R 408.31164
Source: 1979 AC.

R 408.31165
Source: 1979 AC.

R 408.31166
Source: 1979 AC.

R 408.31167
Source: 1984 AACS.

R 408.31168
Source: 1984 AACS.

R 408.31169
Source: 2006 AACS.

R 408.31170
Source: 2004 AACS.

R 408.31171
Source: 1979 AC.

R 408.31172
Source: 1984 AACS.

R 408.31174
Source: 1984 AACS.

R 408.31191
Source: 1979 AC.

R 408.31192
Source: 1979 AC.

R 408.31193
Source: 1979 AC.

R 408.31194
Source: 1984 AACS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 1. GENERAL RULES

R 408.40101
Source: 2015 AACS.

R 408.40102
Source: 2015 AACS.

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R 408.40103

Source: 1997 AACCS.

R 408.40104

Source: 1997 AACCS.

R 408.40105. Adopted and referenced standards.

Rule 105. (1) The following standards are adopted by reference in these rules and are available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: www.global.ihs.com; at a cost as of the time of adoption of these rules, as stated in this subrule.

(a) American National Standards Institute Standard ANSI A11.1 “Industrial lighting,” 1965 edition. Cost: \$156.00.

(b) American Society of Mechanical Engineers Standard ASME “Boiler and pressure vessel code,” Section viii on “Unfired pressure vessels,” 1989 edition. Cost: \$514.00.

(2) The standards adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 W. Allegan Street, P.O. Box 30645, Lansing, Michigan, 48909-8145.

(3) Copies of the standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 W. Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The following Michigan occupational safety and health standards (MIOSHA) are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 W. Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 16. “Power Transmission and Distribution,” R 408.41601 to R 408.41658.

(b) Construction Safety Standard Part 17. “Electrical Installations,” R 408.41701 to R 408.41734.

(c) Construction Safety Standard Part 22. “Signals, Signs, Tags, and Barricades,” R 408.42201 to R 408.42243.

(d) Construction Safety and Health Standard Part 30. “Telecommunications for Construction,” R 408.43001 to R 408.43006.

(e) Construction Safety and Health Standard Part 35. “Confined Space in Construction,” R 408.43501 to R 408.43510.

(f) Construction Safety Standards Part 45. “Fall Protection,” R 408.44501 to R 408.44502.

(g) General Industry Safety and Health Standard Part 7. “Guards for Power Transmission,” R 408.10701 to R 408.10765.

History 2015 MR 4, Eff. March 3, 2015; 2015 AACCS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.40106

Source: 1997 AACCS.

R 408.40111

Source: 1997 AACCS.

R 408.40112

Source: 1997 AACCS.

R 408.40114

Source: 2015 AACCS.

R 408.40115

Source: 2015 AACCS.

R 408.40116

Source: 2013 AACCS.

R 408.40118

Source: 2013 AACCS.

R 408.40119

Source: 2013 AACCS.

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R 408.40120
Source: 2015 AACS.

R 408.40121
Source: 2015 AACS.

R 408.40122
Source: 2015 AACS.

R 408.40123
Source: 2015 AACS.

R 408.40125
Source: 2013 AACS.

R 408.40126
Source: 2013 AACS.

R 408.40127
Source: 2013 AACS.

R 408.40128
Source: 2015 AACS.

R 408.40129
Source: 1995 AACS.

R 408.40130
Source: 1995 AACS.

R 408.40130
Source: 2015 AACS.

R 408.40131
Source: 2015 AACS.

R 408.40132 Medical services and first aid.

Rule 132. (1) An employer shall ensure the availability of medical personnel for advice and consultation on matters of occupational health.

(2) Before beginning a project, provision must be made for prompt medical attention in case of serious injury.

(3) A person who has a valid certificate in first aid training shall be present at the worksite to render first aid. A certificate is valid if the requirements necessary to obtain the certificate for first aid training meet or exceed the requirements of the United States Bureau of Mines, the American Red Cross, the guidelines for basic first aid training programs, or equivalent training.

(4) Where a remote location or a single employee worksite exists, an employer shall provide a written plan that includes alternate methods of assuring available treatment for employees at a remote location or single-employee worksite. The plan must be communicated to all affected employees.

(5) An employer must assure that there are first aid supplies at each jobsite and that the supplies are readily accessible.

(6) The contents of a first aid kit shall be sealed in individual packages, stored in a weatherproof container, and checked by an employer or designated person before being sent out on each job and at least weekly on each job to ensure that expended items are replaced.

(7) An employer shall provide proper equipment for the prompt transportation of an injured person to a physician or hospital and a communication system for contacting the necessary emergency service. In areas where 911 is not available, the telephone numbers of a physician, hospital, or emergency service shall be conspicuously posted at the jobsite. In areas where 911 emergency dispatch services are not available, the telephone numbers of the physicians, hospitals, or ambulances shall be

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conspicuously posted.

(8) In areas where 911 emergency dispatch services are available and an employer uses a communication system for contacting necessary emergency-medical service, the employer must do both of the following:

(a) Ensure that the communication system is effective in contacting the emergency-medical service.

(b) When using a communication system in an area that does not automatically supply the caller's latitude and longitude information to the 911 emergency dispatcher, the employer must post in a conspicuous location at the worksite either of the following:

(i) The latitude and longitude of the worksite.

(ii) Other location-identification information that communicates effectively to employees the location of the worksite.

(c) The requirement specified in subdivision (b) of this subrule does not apply to worksites with a readily available telephone that has 911 emergency service that automatically identifies the location of the caller.

(9) Where the eyes or body of any person may be exposed to injurious corrosive materials, the employer shall provide suitable facilities for quick drenching or flushing of the eyes and body within the work area for immediate emergency use.

History: 1995 AACS; 2013 AACS; 2015 AACS; 2021 MR 4, Eff. Mar. 2, 2021; 2021 MR 13, Eff. July 14, 2021

R 408.40133

Source: 2015 AACS.

R 408.40134

Source: 2013 AACS.

PART 2. MASONRY WALL BRACING

R 408.40201

Source: 2010 AACS.

R 408.40202

Source: 2010 AACS.

R 408.40203

Source: 2010 AACS.

R 408.40204

Source: 2010 AACS.

R 408.40205

Source: 2010 AACS.

R 408.40206

Source: 2010 AACS.

R 408.40207

Source: 2010 AACS.

R 408.40208

Source: 2010 AACS.

R 408.40209

Source: 2010 AACS.

R 408.40210

Source: 2010 AACS.

R 408.40211

Source: 2010 AACS.

R 408.40212

Source: 2010 AACS.

R 408.40213

Source: 2010 AACs.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 6. PERSONAL PROTECTIVE EQUIPMENT

R 408.40601 Scope, adoption, and availability.

Rule 601. (1) This standard provides specifications for personal protective equipment and prescribes the use, selection, and maintenance of this equipment for the protection of the employee's head, face, eyes, hands, feet, and body during construction operations.

(2) Hearing protection must be in compliance with Occupational Health Standard Part 680. "Occupational Noise Exposure."

(3) Respiratory protection must be in compliance with General Industry and Construction Safety and Health Standard Part 451. "Respiratory Protection."

(4) Protective equipment, including personal protective equipment for eyes, face, head, hands, feet, and body, protective clothing, and protective shields and barriers, must be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation, or physical contact.

(5) The following federal Occupational Safety and Health Administration (OSHA) regulations are adopted by reference in these rules:

(a) 29 CFR 1926.28 "Personal protective equipment," as in effect as of the effective date of these rules.

(b) 29 CFR 1926.100 "Head protection," as amended July 23, 2012.

(c) 29 CFR 1926.102 "Eye and face protection," as amended March 25, 2016.

(d) 29 CFR 1926.97 "Electrical protective equipment," as amended July 10, 2014.

(e) 29 CFR 1926.105 "Safety nets," as amended August 2, 1995.

(6) A reference to 29 CFR part 1926, subpart E "Personal Protective and Life Saving Equipment," means the following standards:

(a) Construction Safety and Health Standard Part 6. "Personal Protective Equipment."

(b) Occupational Health Standard Part 680. "Occupational Noise Exposure."

(c) General Industry and Construction Safety and Health Standard Part 451. "Respiratory Protection."

(7) The adopted federal regulations have the same force and effect as a rule promulgated under the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1001 to 408.1094.

(8) The American National Standard Institute ANSI Standard Z-41 "Personal Protection - Protective Footwear," 1991 edition, is adopted by reference in these rules. This standard is available at the Document Center, Inc., Customer Service, 121 Industrial Road, Suite 8, Belmont, California 94002, USA, telephone: (650) 591-7600 or via the internet at the company's website, www.document-center.com, at a cost as of the time of adoption of these rules of \$49.95.

(9) The OSHA regulations adopted in these rules are available from the United States Department of Labor, Occupational Safety and Health Administration website, www.osha.gov, at no charge, as of the time of adoption of these rules.

(10) The standards adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30645, Lansing, Michigan, 48909-8145.

(11) The standards adopted in these rules may be obtained from the publisher or the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30645, Lansing, Michigan, 48909-8145, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(12) The following Michigan Occupational Safety and Health Administration (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30645, Lansing, Michigan, 48909-8145 or via the internet at the following website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 45. "Fall Protection," R 408.44501 to R 408.44502.

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(b) General Industry and Construction Safety and Health Standard Part 451. “Respiratory Protection,” R 325.60051 to R 325.60052.

(c) Occupational Health Standard Part 680. “Occupational Noise Exposure,” R 325.60131.

History: 1979 AC; 1980 AACS; 2014 AACS; 2015 AACS; 2016 AACS; 2018 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40603

Source: 2018 AACS.

R 408.40614

Source: 2014 AACS.

R 408.40615 Definitions, H to R.

Rule 615. (1) “Helmet,” also called a hard hat or cap, means a device that is worn on the head and that is designed to provide limited protection against impact, flying particles, or electric shock.

(2) “Lanyard” means a rope, suitable for supporting 1 person. One end is fastened to a safety belt or harness and the other end is secured to a substantial object or a safety line.

(3) “Lifeline” means a rope, suitable for supporting 1 person, to which a lanyard or safety belt (or harness) is attached.

(4) “Manufacturer” means a business entity that marks or directs the permanent marking of the components or complete devices as compliant with this standard and sells them as compliant.

(5) “Metatarsal guards” mean guards that are designed to protect the top of the foot from the toes to the ankle over the instep of the foot. These guards may be attached to the outside of shoes.

(6) “O.D.” means optical density and refers to the light refractive characteristics of a lens.

(7) “Protective footwear” means footwear that is designed, constructed, and classified to protect the wearer from a potential hazard or hazards.

(8) “Radiant energy” means energy that travels outward in all directions from its sources.

History: 1980 AACS; 1982 AACS; 1996 AACS; 1998-2000 AACS; 2014 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40616 Definitions, S, T.

Rule 616. (1) “Safety belt” means a device, usually worn around the waist which, by reason of its attachment to a lanyard and lifeline or a structure, will prevent a worker from falling.

(2) “Safety line” means a device used for emergency rescue work.

(3) “Sanitizing” means an act or process of destroying organisms that may cause disease.

(4) “Shell” means the portion of welding helmet or handshield that covers the wearer’s face and is the part of a helmet which includes the outermost surface.

(5) “Toe guards” means the guards that fit over the toes of regular shoes to protect the toes from impact and compression hazards. These guards may be attached to the outside of shoes.

History: 1980 AACS; 1996 AACS; 1998-2000 AACS; 2014 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40617

Source: 2014 AACS.

PAYMENT FOR PERSONAL PROTECTIVE EQUIPMENT

R 408.40617a Payment for personal protective equipment (PPE).

Rule 617a. (1) An employer shall provide at no cost to employees the personal protective equipment necessary to protect against hazards that the employer is aware of as a result of any required assessments.

(2) An employer shall pay for replacement PPE, as necessary, under either of the following conditions:

(a) When the PPE no longer provides the protection it was designed to provide.

(b) When the previously provided PPE is no longer adequate or functional.

(3) When an employee has lost or intentionally damaged the PPE issued to him or her, an employer is not required to pay for its replacement and may require the employee to pay for its replacement.

(4) An employer is not required to pay for prescription safety eyewear with removable or permanent sideshields as long as the employer provides safety eyewear that fits over an employee’s prescription lenses.

(5) An employer is not required to pay for non-specialty prescription safety eyewear, provided that the employer permits these items to be worn off the job-site.

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- (6) An employer is not required to pay for non-specialty safety-toe protective footwear, including steel-toe shoes or steel-toe boots, provided that the employer permits these items to be worn off the job-site.
- (7) When the employer provides metatarsal guards and allows the employee, at his or her request, to use shoes or boots with built-in metatarsal protection, the employer is not required to reimburse the employee for the shoes or boots.
- (8) An employer is not required to pay for either of the following:
- (a) Everyday clothing, which includes any of the following:
 - (i) Long-sleeve shirts.
 - (ii) Long pants.
 - (iii) Street shoes.
 - (iv) Normal work boots.
 - (v) Ordinary clothing.
 - (vi) Skin creams.
 - (b) Other items used solely for protection from weather, which includes any of the following:
 - (i) Winter coats.
 - (ii) Jackets.
 - (iii) Gloves.
 - (iv) Parkas.
 - (v) Rubber boots.
 - (vi) Hats.
 - (vii) Raincoats.
 - (viii) Ordinary sunglasses.
 - (ix) Sunscreen.
- (9) An employer shall pay for protection when ordinary weather gear is not sufficient to protect an employee and special equipment or extraordinary clothing is needed to protect the employee from unusually severe weather conditions. Clothing used in artificially-controlled environments with extreme hot or cold temperatures, such as freezers, is not considered part of the weather gear exception.
- (10) All of the following apply to upgraded and personalized PPE:
- (a) An employer is not required to pay for PPE requested by an employee that exceeds the PPE requirements, provided that the employer provides PPE that meets the standards at no cost to the employee.
 - (b) If an employer allows an employee to acquire and use upgraded or personalized PPE, then the employer is not required to reimburse the employee for the equipment, provided that the employer has provided adequate PPE at no cost to the employee.
 - (c) An employer shall evaluate an employee's upgraded or personalized PPE to ensure that it is in compliance with all of the following:
 - (i) Adequate to protect from hazards present in the workplace.
 - (ii) Properly maintained.
 - (iii) Kept in a sanitary condition.
- (11) When the provisions of another MIOSHA standard specify whether the employer shall pay for specific equipment, the payment provisions of that standard prevails.
- History: 2014 AACS; 2015 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40621

Source: 2018 AACS.

R 408.40622

Source: 2018 AACS.

R 408.40623

Source: 2018 AACS.

R 408.40624

Source: 2018 AACS.

WELDING PROTECTION

R 408.40624a Rescinded.

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History: 2014 AACS; 2016 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40624b

Source: 2018 AACS.

FOOT AND TOE PROTECTION

R 408.40625

Source: 2018 AACS.

HAND AND BODY PROTECTION

R 408.40626

Source: 2014 AACS.

R 408.40627

Source: 2013 AACS.

FALL PROTECTION

R 408.40631

Source: 2018 AACS.

R 408.40632

Source: 2013 AACS.

R 408.40633

Source: 2014 AACS.

R 408.40634

Source: 2014 AACS.

R 408.40635

Source: 2014 AACS.

WORKING OVER OR NEAR WATER

R 408.40636 Working over or near water.

Rule 636. (1) Where a possibility of drowning exists, each employee working over or adjacent to water shall wear a life jacket or buoyant work vest. The life jacket or buoyant vest shall bear a label, "U.S. Coast Guard approved."

(2) Before and after each use, a competent person shall inspect the life jacket or buoyant vest for defects which might alter its strength or buoyancy. Defective units shall not be used.

(3) A ring buoy with not less than 90 feet of safety line shall be provided and shall be readily available for rescue operations. The distance between the buoys shall not be more than 200 feet.

(4) Not less than 1 lifesaving boat equipped with a method of propulsion that is effective for the water conditions shall be available at the location where an employee works over or adjacent to water.

History: 1980 AACS; 2014 AACS; 2021 MR 5, Eff. Mar 16, 2021.

R 408.40641

Source: 2013 AACS.

R 408.40650

Source: 2018 AACS.

R 408.40655

Source: 2018 AACS.

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R 408.40660
Source: 2018 AACS.

PART 7. WELDING AND CUTTING

R 408.40701
Source: 1980 AACS.

R 408.40705
Source: 2015 AACS.

R 408.40706
Source: 1980 AACS.

R 408.40707
Source: 1980 AACS.

R 408.40709
Source: 2015 AACS.

R 408.40711
Source: 2013 AACS.

R 408.40712
Source: 2013 AACS.

R 408.40713
Source: 2015 AACS.

R 408.40714
Source: 2013 AACS.

R 408.40715
Source: 1980 AACS.

R 408.40721
Source: 2015 AACS.

R 408.40722
Source: 2015 AACS.

R 408.40723
Source: 2015 AACS.

R 408.40729
Source: 2013 AACS.

R 408.40731
Source: 2015 AACS.

R 408.40732
Source: 1980 AACS.

R 408.40741
Source: 1980 AACS.

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R 408.40742

Source: 2013 AACS.

R 408.40743

Source: 2013 AACS.

R 408.40744

Source: 2013 AACS.

R 408.40745

Source: 1980 AACS.

R 408.40746

Source: 2013 AACS.

R 408.40747

Source: 1980 AACS.

R 408.40751

Source: 2015 AACS.

GENERAL FIRE RULES

R 408.40761

Source: 2015 AACS.

R 408.40762

Source: 2015 AACS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 8. HANDLING AND STORAGE OF MATERIALS

R 408.40801 Rescinded.

History: 1979 AC; 2016 AACS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.40810 Scope and adoption by reference of standards.

Rule 810. (1) This standard pertains to the handling and storage of construction materials, including care and use of slings, ropes, and chains for a construction operation, except for specific rules covering materials covered in the following MIOSHA standards, which are referenced in this rule:

(a) Construction Safety Standard Part 7. "Welding and Cutting."

(b) Construction Safety Standard Part 18. "Fire Protection and Prevention."

(c) Construction Safety Standard Part 20. "Demolition"

(d) Construction Safety Standard Part 27. "Blasting and Use of Explosives."

(2) The Compressed Gas Association Standard, P-1--2000, "Safe Handling of Compressed Gases in Containers," ninth edition, is adopted in these rules. The standard is available from the Compressed Gas Association, Inc., 4221 Walney Road, 5th Floor, Chantilly, Virginia, 20151-2923; telephone number: 703-788-2700 or via the internet at web-site: www.cganet.com at a cost as of the time of adoption of these rules of \$227.00.

(3) The standard adopted in these rules is available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(4) The standard adopted in these rules may be obtained from the publisher or may be obtained from the Department of Labor

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and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, plus \$20.00 for shipping and handling.

(5) The following Michigan occupational safety and health (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 7. "Welding and Cutting," R 408.40701 to R 408.40762.

(b) Construction Safety Standard Part 18. "Fire Protection and Prevention," R 408.41801 to R 408.41884.

(c) Construction Safety Standard Part 20. "Demolition," R 408.42001 to R 408.42047.

(d) Construction Safety Standard Part 27. "Blasting and Use of Explosives," R 408.42701 to R 408.42799.

(e) General Industry Safety and Health Standard Part 49. "Slings," R 408.14901 to R 408.14965.

History: 2004 AACs; 2013 AACs; 2016 AACs; 2021 MR 6, Eff. Mar 29, 2021.

R 408.40817

Source: 1979 AC.

R 408.40818 General provisions; storage.

Rule 818. (1) All material shall be stacked, racked, blocked, interlocked, or otherwise secured to prevent sliding, falling, or collapse during storage or transit.

(2) Structural steel, poles, pipe, bar stock, and other cylindrical materials, unless racked, shall be stacked and blocked so as to prevent spreading or tilting.

(3) The maximum safe load limit in pounds per square foot of a floor or roof of a building shall be conspicuously posted in all storage areas, except when a storage area is on a floor or slab on grade. The maximum safe load limit shall not be exceeded. Posting is not required for storage areas in all single-family residential structures and wood-framed multi-family residential structures.

(4) Storage areas, aisles, and passageways shall be kept free of the accumulation of materials that constitutes a hazard to the movement of material-handling equipment and employees. Such areas shall be kept in good repair.

(5) If a difference in road or work levels exists, ramps, grading, or blocking shall be provided to ensure the safe movement of material-handling equipment.

(6) A railcar, truck, or semitrailer shall be chocked or otherwise secured during loading and unloading if the movement of a railcar, truck, or trailer could create a hazard for the employee.

(7) While roofing work is being performed, materials and equipment shall not be stored within 6 feet (1.8 m) of a roof edge, unless guardrails are erected at the roof edge.

(8) Material stored inside buildings under construction shall not be placed within 6 feet of any hoistway or inside floor openings, nor within 10 feet of an exterior wall that does not extend above the top of the material stored.

(9) Noncompatible materials shall be segregated in storage.

(10) Storage areas shall be kept free from accumulation of materials that constitute hazards from tripping, fire, explosion, or pest harborage. Vegetation control shall be exercised when necessary.

(11) Materials shall not be stored on scaffolds or runways in excess of supplies needed for immediate operations.

(12) Portable and powered dockboards shall be strong enough to carry the load imposed on them.

(13) Portable dockboards shall be secured in position by being anchored and equipped with devices that will prevent slipping.

(14) Handholds, or other effective means, shall be provided on portable dockboards to permit safe handling.

(15) Positive protection shall be provided to prevent railroad cars from being moved while dockboards or bridge plates are in position.

History: 1979 AC; 1996 AACs; 2004 AACs; 2013 AACs; 2021 MR 6, Eff. Mar 29, 2021.

R 408.40819

Source: 2013 AACs.

R 408.40820

Source: 2013 AACs.

R 408.40821

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Source: 2013 AACS.

R 408.40822

Source: 2013 AACS.

R 408.40823

Source: 2016 AACS.

R 408.40831

Source: 2016 AACS.

R 408.40832

Source: 2016 AACS.

R 408.40833

Source: 2016 AACS.

R 408.40834

Source: 2013 AACS.

R 408.40835

Source: 2004 AACS.

R 408.40836

Source: 2013 AACS.

R 408.40837

Source: 2013 AACS.

R 408.40840

Source: 2013 AACS.

R 408.40841

Source: 2013 AACS.

PART 9. EXCAVATION, TRENCHING, AND SHORING

R 408.40901

Source: 1979 AC.

R 408.40925

Source: 1993 AACS.

R 408.40926

Source: 1979 AC.

R 408.40927

Source: 1979 AC.

R 408.40931

Source: 1979 AC.

R 408.40932

Source: 2013 AACS.

R 408.40933

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Source: 2013 AACS.

R 408.40934

Source: 1993 AACS.

R 408.40941

Source: 2013 AACS.

R 408.40942

Source: 1979 AC.

R 408.40943

Source: 1993 AACS.

R 408.40944

Source: 1993 AACS.

R 408.40945

Source: 1993 AACS.

R 408.40946

Source: 2013 AACS.

R 408.40951

Source: 2013 AACS.

R 408.40952

Source: 2013 AACS.

R 408.40953

Source: 1993 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 10. CRANES AND DERRICKS

R 408.41001 Scope, adoption, and availability of standards.

Rule 1001. (1) This standard applies to power-operated equipment, when used in construction, that can hoist, lower, and horizontally move a suspended load. Such equipment includes, but is not limited to, any of the following:

- (a) Articulating cranes, such as knuckle-boom cranes.
- (b) Crawler cranes.
- (c) Floating cranes.
- (d) Cranes on barges.
- (e) Locomotive cranes.
- (f) Mobile cranes, such as wheel-mounted, rough-terrain, all-terrain, commercial truck-mounted, and boom truck cranes.
- (g) Multi-purpose machines when configured to hoist and lower by means of a winch or hook and horizontally move a suspended load.
- (h) Industrial cranes, such as carry-deck cranes.
- (i) Dedicated pile drivers.
- (j) Service/mechanic trucks with a hoisting device.
- (k) Crane on a monorail.
- (l) Tower cranes, such as a fixed jib, for example, "hammerhead boom", luffing boom, and self-erecting.

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- (m) Pedestal cranes.
- (n) Portal cranes.
- (o) Overhead and gantry cranes.
- (p) Straddle cranes.
- (q) Sideboom cranes.
- (r) Derricks.
- (s) Variations of equipment listed in subdivisions (a) to (r) of this subrule. Items listed in subrule (3) of this rule are excluded from the scope of this standard.
- (2) Attachments. This standard applies to equipment included in subrule (1) of this rule when used with attachments. These attachments, whether crane-attached or suspended, include, but are not limited to, any of the following:
 - (a) Hooks.
 - (b) Magnets.
 - (c) Grapples.
 - (d) Clamshell buckets.
 - (e) Orange peel buckets.
 - (f) Concrete buckets.
 - (g) Drag lines.
 - (h) Personnel platforms.
 - (i) Augers or drills.
 - (j) Pile driving equipment.
- (3) Exclusions. This standard does not cover any of the following:
 - (a) Machinery included in subrule (1) of this rule while it has been converted or adapted for a non-hoisting or lifting use. These conversions or adaptations include, but are not limited to, any of the following:
 - (i) Power shovels.
 - (ii) Excavators.
 - (iii) Concrete pumps.
 - (b) The following machinery is excluded when used with chains, slings, or other rigging to lift suspended loads:
 - (i) Power shovels.
 - (ii) Excavators.
 - (iii) Wheel loaders.
 - (iv) Backhoes.
 - (v) Loader backhoes.
 - (vi) Track loaders.
 - (c) Automotive wreckers and tow trucks when used to clear wrecks and haul vehicles.
 - (d) Digger derricks when used for augering holes for poles carrying electric or telecommunication lines, placing and removing the poles, and for handling associated materials to be installed on, or removed from, the poles. Digger derricks used in work subject to Construction Safety Standard Part 16. "Power Transmission and Distribution," must comply with General Industry Safety and Health Standard Part 86. "Electric Power Generation, Transmission, and Distribution." Digger derricks used in construction work for telecommunication service, as defined in and must comply with Construction Safety and Health Standard Part 30. "Telecommunications for Construction."
 - (e) Machinery originally designed as vehicle-mounted aerial devices for lifting personnel and self-propelled elevating work platforms.
 - (f) Telescopic or hydraulic gantry systems.
 - (g) Stacker cranes.
 - (h) Powered industrial trucks, for example, forklifts, except when configured to hoist and lower by means of a winch or hook and horizontally move a suspended load.
 - (i) Mechanic's truck with a hoisting device when used in activities related to equipment maintenance and repair.
 - (j) Machinery that hoists by using a come-a-long or chainfall.
 - (k) Dedicated drilling rigs.
 - (l) Gin poles when used for the erection of communication towers.
 - (m) Tree trimming and tree removal work.
 - (n) Anchor handling or dredge-related operations with a vessel or barge using an affixed A-frame.
 - (o) Roustabouts.
 - (p) Material delivery under the following conditions:
 - (i) Articulating knuckle-boom truck cranes that deliver material to a construction site when used to transfer materials from the

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truck crane to the ground, without arranging the materials in a particular sequence for hoisting.

(ii) Articulating or knuckle-boom truck cranes that deliver material to a construction site when the crane is used to transfer building supply sheet goods or building supply packaged materials from the truck crane onto a structure, using a fork or cradle at the end of the boom, but only when the truck crane is equipped with a properly functioning automatic overload prevention device. These sheet goods or packaged materials include, but are not limited to, sheets of sheet rock, sheets of plywood, bags of cement, sheets or packages of roofing shingles, and rolls of roofing felt.

(iii) The exclusion in this subdivision does not apply when used under any of the following circumstances:

(A) The articulating or knuckle-boom crane is used to hold, support, or stabilize the material to facilitate a construction activity, such as holding material in place while it is attached to the structure.

(B) The material being handled by the articulating knuckle-boom crane is a prefabricated component. Prefabricated components include, but are not limited to, precast concrete members or panels; roof trusses constructed of wood; cold formed metal, steel, or other materials; and prefabricated building sections such as, but not limited to, floor panels, wall panels, roof panels, roof structures, or similar items.

(C) The material being handled by the crane is a structural steel member, for example, steel joists, beams, columns, bundled or unbundled steel decking, or a component of a systems-engineered metal building, as defined in Construction Safety Standard Part 26. "Steel Erection."

(D) The activity is not specifically excluded under 29 CFR 1926.1400(c)(17)(i) and (ii).

(4) All sections of 29 CFR part 1926, subpart CC, apply to the equipment covered by this standard unless specified otherwise.

(5) The duties of controlling entities under this standard include, but are not limited to, the duties specified in 29 CFR 1926.1402(c) and (e) and 1926.1424(b).

(6) Where provisions of this standard direct an operator, crewmember, or other employee to take certain actions, the employer must establish effective communication to the relevant persons, and enforce work rules to ensure compliance with such provisions.

(7) Work covered by Construction Safety Standard Part 16. "Power Transmission and Distribution," in compliance with General Industry Safety and Health Standard Part 86. "Electric Power Generation, Transmission, and Distribution," is deemed in compliance with 29 CFR 1926.1407 to 1926.1411.

(8) 29 CFR 1926.1402 does not apply to cranes designed for use on railroad tracks, when used on railroad tracks that are part of the general railroad system of transportation that is regulated under the Federal Railroad Administration under 49 CFR part 213, and that comply with applicable Federal Railroad Administration requirements. See 29 CFR 1926.1402(f).

(9) The following federal Occupational Safety and Health Administration (OSHA) regulations are adopted by reference in these rules:

(a) 29 CFR part 1926, subpart CC, "Cranes and Derricks in Construction," 29 CFR 1926.1400 to 1926.1442, as amended November 16, 2020, except 29 CFR 1926.1400(c)(16) is not adopted, and as specified in subrules (e) and (f) of this rule.

(b) 29 CFR part 1926, subpart CC, appendix A "Standard Hand Signals," as amended August 9, 2010.

(c) 29 CFR part 1926, subpart CC, appendix B "Assembly/Disassembly--Sample Procedures for Minimizing the Risk of Unintended Dangerous Boom Movement," as amended August 9, 2010.

(d) 29 CFR part 1926, subpart CC, appendix C "Operator Certification--Written Examination--Technical Knowledge Criteria," as amended August 9, 2010.

(e) 29 CFR 1926.1427, "Operator training, certification, and evaluation," as amended November 9, 2018.

(f) 29 CFR 1926.1430, "Training," as amended November 9, 2018.

(10) A reference to 29 CFR 1926.251 means Construction Safety and Health Standard Part 8. "Handling and Storage of Materials."

(11) A reference to 29 CFR 1926.959 and 1926.960 means Construction Safety Standard Part 16. "Power Transmission and Distribution."

(12) A reference to 29 CFR part 1926, subpart R means Construction Safety Standard Part 26. "Steel Erection," and Construction Safety Standard Part 28. "Personnel Hoisting in Steel Erection."

(13) A reference to 29 CFR 1926.500 and 1926.502 means Construction Safety Standard Part 45. "Fall Protection."

(14) A reference to 29 CFR 1926.106 means Construction Safety and Health Standard Part 6. "Personal Protective Equipment."

(15) A reference to 29 CFR 1910.268 means Construction Safety and Health Standard Part 30. "Telecommunications for Construction."

(16) A reference to 29 CFR 1910.179 means General Industry Safety and Health Standard Part 18. "Overhead and Gantry Cranes."

(17) A reference to 29 CFR 1910.147 means General Industry Safety and Health Standard Part 86. "Electric Power

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Generation, Transmission, and Distribution.”

(18) The adopted federal regulations have the same force and effect as a rule promulgated under the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1001 to 408.1094.

(19) The OSHA regulations adopted in these rules are available from the United States Department of Labor, Occupational Safety and Health Administration website, www.osha.gov, at no charge, as of the time of adoption of these rules.

(20) A reference to the American National Standards Institute Standard ANSI B30.5-1968 in 29 CFR 1926.1433(a) means ANSI B30.5, “Mobile and Locomotive Cranes,” 1994 edition, which is adopted by reference in these rules. This standard is available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website, <http://global.ihs.com>, at a cost as of the time of adoption of these rules of \$119.00.

(21) A reference to the Power Crane and Shovel Association Standard PCSA Std. No. 2 (1968) in 29 CFR 1926.1433(a) means PCSA No. 4, “Mobile Power Crane and Excavator and Hydraulic Crane Standards,” 1983 edition, which is adopted by reference in these rules. This standard is available from the Association of Equipment Manufacturers, 6737 West Washington Street, Suite 2400, Milwaukee, Wisconsin, 53214-5647, USA, telephone number: 1-414-272-0943 or via the internet at website, <http://shop.aem.org>, at no charge, as of the time of adoption of these rules.

(22) The standards adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(23) The standards adopted in these rules may be obtained from the publisher or the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(24) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at the following website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety and Health Standard Part 8. “Handling and Storage of Materials,” R 408.40801 to R 408.40841.

(b) Construction Safety Standard Part 16. “Power Transmission and Distribution,” R 408.41601 to R 408.41658.

(c) Construction Safety Standard Part 26. “Steel Erection,” R 408.42601 to R 408.42656.

(d) Construction Safety Standard Part 28. “Personnel Hoisting in Steel Erection,” R 408.42801 to R 408.42809.

(e) Construction Safety Standard Part 45. “Fall Protection,” R 408.44501 to R 408.44502.

(f) Construction Safety and Health Standard Part 6. “Personal Protective Equipment,” R 408.40601 to R 408.40660.

(g) Construction Safety and Health Standard Part 30. “Telecommunications for Construction,” R 408.43001 to R 408.43006.

(h) General Industry Safety and Health Standard Part 18. “Overhead and Gantry Cranes,” R 408.11801 to R 408.11875.

(i) General Industry Safety and Health Standard Part 86. “Electric Power Generation, Transmission, and Distribution,” R 408.18601 to R 408.18610.

History: 1979 AC; 1983 AACs; 1995 AACs; 2018 AACs; 2019 AACs; 2021 MR 17, Eff. Sept. 16, 2021.

R 408.41001a

Source: 2016 AACs.

R 408.41002a

Source: 2012 AACs.

R 408.41003

Source: 2018 AACs.

R 408.41003a

Source: 2018 AACs.

R 408.41003b

Source: 2018 AACs.

R 408.41003c

Source: 2018 AACs.

R 408.41003d

Source: 2018 AACs.

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R 408.41003e
Source: 2018 AACCS.

R 408.41003f
Source: 2018 AACCS.

R 408.41004a
Source: 2016 AACCS.

R 408.41005a
Source: 2016 AACCS.

R 408.41006
Source: 2018 AACCS.

R 408.41006a
Source: 2018 AACCS.

R 408.41006b
Source: 2018 AACCS.

R 408.41006c
Source: 2018 AACCS.

R 408.41006d
Source: 2018 AACCS.

R 408.41006e
Source: 2018 AACCS.

R 408.41007
Source: 2018 AACCS.

R 408.41007a
Source: 2012 AACCS.

R 408.41008a
Source: 2016 AACCS.

R 408.41009a
Source: 2016 AACCS.

R 408.41009b
Source: 2016 AACCS.

R 408.41010a
Source: 2012 AACCS.

R 408.41011a
Source: 2016 AACCS.

R 408.41011b
Source: 2016 AACCS.

R 408.41011c
Source: 2016 AACCS.

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R 408.41011d
Source: 2016 AACCS.

R 408.41011e
Source: 2016 AACCS.

R 408.41012a
Source: 2016 AACCS.

R 408.41013a
Source: 2016 AACCS.

R 408.41014a
Source: 2016 AACCS.

R 408.41015a
Source: 2016 AACCS.

R 408.41016a
Source: 2016 AACCS.

R 408.41016b
Source: 2016 AACCS.

R 408.41016c
Source: 2016 AACCS.

R 408.41016d
Source: 2016 AACCS.

R 408.41016e
Source: 2016 AACCS.

R 408.41017a
Source: 2016 AACCS.

R 408.41018a
Source: 2016 AACCS.

R 408.41019a
Source: 2016 AACCS.

R 408.41019b
Source: 2016 AACCS.

R 408.41019c
Source: 2016 AACCS.

R 408.41020a
Source: 2016 AACCS.

R 408.41021a
Source: 2016 AACCS.

R 408.41021b
Source: 2016 AACCS.

R 408.41022a

Annual Administrative Code Supplement
2021 Edition

Source: 2016 AACS.

R 408.41023a

Source: 2016 AACS.

R 408.41024a

Source: 2016 AACS.

R 408.41025a

Source: 2016 AACS.

R 408.41025b

Source: 2016 AACS.

R 408.41026a

Source: 2016 AACS.

R 408.41027a

Source: 2016 AACS.

R 408.41028a

Source: 2016 AACS.

R 408.41029a

Source: 2016 AACS.

R 408.41030a

Source: 2016 AACS.

R 408.41031a

Source: 2016 AACS.

R 408.41032a

Source: 2016 AACS.

R 408.41033a

Source: 2016 AACS.

R 408.41034a

Source: 2016 AACS.

R 408.41035

Source: 2018 AACS.

R 408.41035a

Source: 2018 AACS.

R 408.41035b

Source: 2018 AACS.

R 408.41035c

Source: 2018 AACS.

R 408.41035d

Source: 2018 AACS.

R 408.41036

Source: 2018 AACS.

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R 408.41036a
Source: 2018 AACCS.

R 408.41036b
Source: 2018 AACCS.

R 408.41036c
Source: 2018 AACCS.

R 408.41036d
Source: 2018 AACCS.

R 408.41037
Source: 2018 AACCS.

R 408.41037a
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R 408.41037b
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R 408.41037c
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R 408.41037d
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R 408.41037e
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R 408.41037f
Source: 2018 AACCS.

R 408.41038
Source: 2018 AACCS.

R 408.41038a
Source: 2018 AACCS.

R 408.41038b
Source: 2018 AACCS.

R 408.41038c
Source: 2018 AACCS.

R 408.41039
Source: 2018 AACCS.

R 408.41039a
Source: 2016 AACCS.

R 408.41039b
Source: 2018 AACCS.

R 408.41040
Source: 2018 AACCS.

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R 408.41041a
Source: 2016 AACS.

R 408.41051a
Source: 2016 AACS.

R 408.41052
Source: 2018 AACS.

R 408.41052a
Source: 2018 AACS.

R 408.41052b
Source: 2018 AACS.

R 408.41053
Source: 2018 AACS.

R 408.41053a
Source: 2018 AACS.

R 408.41053b
Source: 2016 AACS.

R 408.41053c
Source: 2018 AACS.

R 408.41053d
Source: 2018 AACS.

R 408.41053e
Source: 2018 AACS.

R 408.41053f
Source: 2018 AACS.

R 408.41053g
Source: 2018 AACS.

R 408.41054
Source: 2018 AACS.

R 408.41055
Source: 2018 AACS.

R 408.41055a
Source: 2018 AACS.

R 408.41055b
Source: 2018 AACS.

R 408.41055c
Source: 2018 AACS.

R 408.41056
Source: 2018 AACS.

R 408.41056a

Annual Administrative Code Supplement
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Source: 2018 AACS.

R 408.41056b

Source: 2018 AACS.

R 408.41056c

Source: 2018 AACS.

R 408.41056d

Source: 2018 AACS.

R 408.41056e

Source: 2018 AACS.

R 408.41056f

Source: 2018 AACS.

R 408.41056g

Source: 2018 AACS.

R 408.41056h

Source: 2018 AACS.

R 408.41056i

Source: 2016 AACS.

R 408.41057

Source: 2018 AACS.

R 408.41058

Source: 2018 AACS.

R 408.41060

Source: 2018 AACS.

R 408.41060a

Source: 2018 AACS.

R 408.41060b

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R 408.41060c

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R 408.41061

Source: 2018 AACS.

R 408.41061a

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R 408.41061b

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R 408.41061c

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R 408.41061d

Source: 2018 AACS.

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R 408.41061e
Source: 2018 AACS.

R 408.41061f
Source: 2018 AACS.

R 408.41061g
Source: 2018 AACS.

R 408.41062
Source: 2018 AACS.

R 408.41063
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R 408.41064
Source: 2018 AACS.

R 408.41065a
Source: 2016 AACS.

R 408.41066a
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R 408.41067a
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R 408.41068a
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R 408.41069a
Source: 2016 AACS.

R 408.41070a
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R 408.41070b
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R 408.41071a
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R 408.41072a
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R 408.41073a
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R 408.41074a
Source: 2016 AACS.

R 408.41075a
Source: 2016 AACS.

R 408.41077a
Source: 2012 AACS.

R 408.41080

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Source: 2018 AACS.

R 408.41080a

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R 408.41080b

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R 408.41080j

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R 408.41080l

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R 408.41080m

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R 408.41080n

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R 408.41080o

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R 408.41081

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R 408.41082

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R 408.41082c

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R 408.41082d
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R 408.41083
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R 408.41085
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R 408.41085g

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Source: 2018 AACS.

R 408.41085h

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R 408.41086

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R 408.41086g

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R 408.41087

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R 408.41088

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R 408.41089

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R 408.41090

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R 408.41090a

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R 408.41090b

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R 408.41090c

Source: 2018 AACS.

R 408.41090d

Source: 2018 AACS.

R 408.41090e

Source: 2018 AACS.

R 408.41099a

Source: 2012 AACS.

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 11. FIXED AND PORTABLE LADDERS

R 408.41101

Source: 1993 AACS.

R 408.41102

Source: 2013 AACS.

R 408.41102a

Source: 2019 AACS.

R 408.41103

Source: 1993 AACS.

R 408.41104

Source: 1993 AACS.

R 408.41105

Source: 2014 AACS.

R 408.41111

Source: 2014 AACS.

R 408.41112

Source: 1993 AACS.

R 408.41113

Source: 2014 AACS.

R 408.41115

Source: 2013 AACS.

R 408.41121

Source: 2014 AACS.

R 408.41122

Source: 2013 AACS.

R 408.41123

Source: 2014 AACS.

R 408.41124

Source: 2019 AACS.

R 408.41125

Source: 2013 AACS.

R 408.41126

Source: 2013 AACS.

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R 408.41127
Source: 2014 AACS.

R 408.41128
Source: 1990 AACS.

R 408.41129
Source: 1990 AACS.

R 408.41130
Source: 2013 AACS.

R 408.41131
Source: 2013 AACS.

R 408.41132
Source: 2013 AACS.

R 408.41133
Source: 2013 AACS.

R 408.41140
Source: 2019 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 12. SCAFFOLDS AND SCAFFOLD PLATFORMS

R 408.41201
Source: 2018 AACS.

R 408.41202
Source: 2018 AACS.

R 408.41203
Source: 2018 AACS.

R 408.41204
Source: 2018 AACS.

R 408.41205
Source: 2018 AACS.

R 408.41206
Source: 2018 AACS.

R 408.41207
Source: 2018 AACS.

R 408.41208
Source: 2018 AACS.

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R 408.41209
Source: 2018 AACS.

R 408.41210
Source: 2018 AACS.

R 408.41211
Source: 2018 AACS.

R 408.41212
Source: 2018 AACS.

R 408.41213
Source: 2018 AACS.

R 408.41214
Source: 1998-2000 AACS.

R 408.41215
Source: 2018 AACS.

R 408.41215
Source: 2013 AACS.

R 408.41217
Source: 2018 AACS.

R 408.41218
Source: 1981 AACS.

R 408.41219
Source: 2018 AACS.

FLOOR AND GROUND SUPPORTED SCAFFOLDS

R 408.41221
Source: 2013 AACS.

R 408.41222
Source: 2013 AACS.

R 408.41223
Source: 2016 AACS.

R 408.41224
Source: 2018 AACS.

R 408.41225
Source: 2018 AACS.

R 408.41226
Source: 2018 AACS.

R 408.41227
Source: 2016 AACS.

R 408.41228
Source: 2013 AACS.

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R 408.41229
Source: 2018 AACS.

SUSPENDED SCAFFOLDS

R 408.41231
Source: 2013 AACS.

R 408.41232
Source: 2016 AACS.

R 408.41233
Source: 2018 AACS.

R 408.41234
Source: 2018 AACS.

R 408.41235
Source: 2013 AACS.

R 408.41236
Source: 2013 AACS.

R 408.41237
Source: 2013 AACS.

R 408.41238
Source: 1996 AACS.

R 408.41239
Source: 2018 AACS.

R 408.41240
Source: 2018 AACS.

MOBILE SCAFFOLDS

R 408.41241
Source: 2018 AACS.

R 408.41243
Source: 2018 AACS.

R 408.41244
Source: 2013 AACS.

R 408.41245
Source: 2013 AACS.

R 408.41246
Source: 2013 AACS.

AUXILIARY SUPPORTED SCAFFOLDS

R 408.41251
Source: 2016 AACS.

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R 408.41253
Source: 2013 AACS.

R 408.41254
Source: 2016 AACS.

R 408.41255
Source: 2013 AACS.

R 408.41256
Source: 2018 AACS.

R 408.41256a
Source: 2018 AACS.

R 408.41256b
Source: 2018 AACS.

WIRE, FIBER, AND SYNTHETIC ROPE

R 408.41261
Source: 2016 AACS.

WIRE, FIBER, AND SYNTHETIC ROPE

R 408.41261
Source: 2013 AACS.

R 408.41262
Source: 2013 AACS.

R 408.41263
Source: 2013 AACS.

R 408.41264
Source: 2013 AACS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 13. MOBILE EQUIPMENT

R 408.41301 Adoption and availability of standards.

Rule 1301. (1) The following federal Occupational Safety and Health Administration (OSHA) regulations, in 29 CFR part 1926, subpart O, "Motor Vehicles, Mechanized Equipment, and Marine Operations," are adopted by reference in these rules:

- (a) 29 CFR 1926.600, "Equipment," effective August 9, 2010.
- (b) 29 CFR 1926.601, "Motor vehicles," effective December 6, 2012.
- (c) 29 CFR 1926.602, "Material handling equipment," effective December 1, 1998, including 29 CFR 1910.178, appendix A "Powered industrial trucks (non-mandatory)," effective November 18, 2016.
- (d) 29 CFR 1926.603, "Pile driving equipment," effective January 19, 2005.
- (e) 29 CFR 1926.604, "Site clearing," effective March 14, 2001.
- (f) 29 CFR 1926.605, "Marine operations and equipment," effective July 22, 1977.
- (g) 29 CFR 1926.606, "Definitions applicable to this subpart," effective March 14, 2001.

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- (2) The following OSHA regulations, in 29 CFR part 1926, subpart W, “Rollover Protective Structures; Overhead Protection,” are adopted by reference in these rules:
- (a) 29 CFR 1926.1000, “Scope,” effective May 14, 2019.
 - (b) 29 CFR 1926.1001, “Minimum performance criteria for rollover protective structures for designated scrapers, loaders, dozers, graders, crawler tractors, compactors, and rubber-tired skid steer equipment,” effective May 14, 2019.
 - (c) 29 CFR 1926.1002, “Protective frames (roll-over protective structures, known as ROPS) for wheel-type agricultural and industrial tractors used in construction,” effective May 14, 2019.
 - (d) 29 CFR 1926.1003, “Overhead protection for operators of agricultural and industrial tractors used in construction,” effective May 14, 2019.
- (3) A reference to 1926.2 means MIOSHA Safety and Health Standard Part 12. “Variances.”
- (4) A reference to 29 CFR part 1926, subpart K, “Electrical,” means all of the following:
- (a) Construction Safety and Health Standard Part 10. “Cranes and Derricks.”
 - (b) Construction Safety Standard Part 17. “Electrical Installations.”
- (5) The OSHA regulations adopted in these rules are available from the United States Department of Labor, Occupational Safety and Health Administration website: www.osha.gov, at no charge, as of the time of adoption of these rules.
- (6) The standards adopted in these rules are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.
- (7) The standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.
- (8) The following Michigan occupational safety and health administration standards (MIOSHA) are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.
- (a) Construction Safety and Health Standard Part 1. “General Rules,” R 408.40101 to R 408.40134.
 - (b) Construction Safety and Health Standard Part 6. “Personal Protective Equipment,” R 408.40601 to R 408.40660.
 - (c) Construction Safety and Health Standard Part 10. “Cranes and Derricks,” R 408.41001 to R 408.41099a.
 - (d) Construction Safety Standard Part 15. “Excavators, Hoists, Elevators, Helicopters, and Conveyors,” R 408.41501 to R 408.41595.
 - (e) Construction Safety Standard Part 17. “Electrical Installations,” R 408.41701 to R 408.41734.
 - (f) MIOSHA Safety and Health Standard Part 12. “Variances,” R 408.22201 to R 408.22251.
 - (g) General Industry Safety and Health Standard Part 21. “Powered Industrial Trucks,” R 408.12101 to R 408.12193.
 - (h) Occupational Health Standard Part 504. “Diving Operations,” R 325.50301 to R 325.50348.
- (9) A reference to 29 CFR part 1926, subpart N, “Helicopters, Hoists, Elevators, and Conveyors,” means this standard and both of the following:
- (a) Construction Safety and Health Standard Part 10. “Cranes and Derricks.”
 - (b) Construction Safety Standard Part 15. “Excavators, Hoists, Elevators, Helicopters, and Conveyors.”
- (10) A reference to 29 CFR part 1926, subpart W, “Rollover Protective Structures; Overhead Protection,” means this standard and both of the following:
- (a) Construction Safety and Health Standard Part 10. “Cranes and Derricks.”
 - (b) Construction Safety Standard Part 15. “Excavators, Hoists, Elevators, Helicopters, and Conveyors.”
- (11) A reference to 29 CFR part 1910, subpart N, “Materials Handling and Storage,” means General Industry Safety and Health Standard Part 21. “Powered Industrial Trucks.”
- (12) A reference to 29 CFR part 1910, subpart T, “Commercial Diving Operations,” means Occupational Health Standard Part 504. “Diving Operations.”
- (13) The adopted federal regulations have the same force and effect as a rule promulgated under the Michigan occupational safety and health act (MIOSHA), 1974 PA 154, MCL 408.1001 to 408.1094.
- History: 1979 AC; 1983 AACS; 1997 AACS; 1998-2000 AACS; 2021 MR 11, Eff. June 11, 2021.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 14. TUNNELS, SHAFTS, CAISSONS, AND COFFERDAMS

R 408.41401

Source: 2014 AACS.

R 408.41405

Source: 2019 AACS.

R 408.41410 Adoption of standards by reference.

Rule 1410. (1) The following standards are adopted by reference in these rules and are available from the U.S. Government Printing Office Bookstore, 710 North Capitol Street N.W., Washington, DC, at the toll-free telephone number: 866-542-1800 or via the internet at website: www.ecfr.gov at no cost as of the time of adoption of these rules:

(a) The provisions of 30 CFR, Mineral Resources Parts 1 to 199 “Mine Safety and Health Administration, Department of Labor,” revised July 1, 2000.

(b) The provisions of 42 CFR, Public Health, Part 84 “Approval of Respiratory Protective Devices,” revised October 1, 2001.

(2) The standards adopted in subrule (1) of this rule are available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(3) Copies of the standards adopted in subrule (1) of this rule may be obtained from the publisher or may also be obtained from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The following Michigan occupational safety and health administration (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143; or via the internet at the following website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of the adoption of these rules, is 4 cents per page.

(a) Construction Safety and Health Standard Part 1. “General Rules,” R 408.40101 to R 408.40134.

(b) Construction Safety Standard Part 7. “Welding and Cutting,” R 408.40701 to R 408.40762.

(c) Construction Safety Standard Part 9. “Excavation, Trenching, and Shoring,” R 408.40901 to R 408.40953.

(d) Construction Safety and Health Standard Part 10. “Cranes and Derricks,” R 408.41001 to R 408.41099a.

(e) Construction Safety Standard Part 16. “Power Transmission and Distribution,” R 408.41601 to R 408.41658.

(f) Construction Safety Standard Part 17. “Electrical Installations,” R 408.41701 to R 408.41734.

(g) Construction Safety Standard Part 18. “Fire Protection and Prevention,” R 408.41801 to R 408.41884.

(h) Construction Safety and Health Standard Part 21. “Guarding of Walking and Working Areas,” R 408.42101 to R 408.42160.

(i) Construction Safety and Health Standard Part 22. “Signals, Signs, Tags, and Barricades,” R 408.42201 to R 408.42243.

(j) Construction Safety Standard Part 27. “Blasting and Use of Explosives,” R 408.42701 to R 408.42799.

(k) Construction Safety Standard Part 45. “Fall Protection,” R 408.44501 to R 408.44502.

(l) General Industry and Construction Safety and Health Standard Part 451. “Respiratory Protection,” R 325.60051 to R 325.60052.

(m) Construction Safety and Health Standard Part 665. “Underground Construction, Caissons, Cofferdams, and Compressed Air,” R 325.62991 to R 325.62996.

History: 2003 AACS; 2013 AACS; 2014 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41454

Source: 2003 AACS.

R 408.41455

Source: 2019 AACS.

R 408.41456

Source: 2003 AACS.

R 408.41461 Advance notice of tunnel excavation.

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Rule 1461. (1) Before the start of a pressurized tunnel being constructed, modified, or repaired, that is 24 inches or more in diameter, height, or width, and that will be occupied by an employee, a report prepared by the employer performing the tunnel excavation shall be sent to the Michigan Department of Labor and Economic Opportunity, Construction Safety and Health Division, 530 West Allegan Street, P.O. Box 30645, Lansing, Michigan 48909-8145, in addition to the following civil authorities in the area: hospital, police department, fire department, and sheriff department. The report shall contain all of the following information:

- (a) Name of contractor or contractors.
- (b) Starting date.
- (c) Length of tunnel.
- (d) Diameter of cut.
- (e) Finished diameter.
- (f) Number of shafts.
- (g) Depth of shafts.
- (h) Location of shafts.
- (i) Method of tunneling.
- (j) Maximum working pressure in tunnel or shaft.
- (k) Type of primary liner.
- (l) Number of shifts.
- (m) Projected completion date.
- (n) Projected maximum work force within tunnel.

(2) An employer shall notify parties notified pursuant to subrule (1) of this rule when the work has been completed.

(3) If, after the start of any tunnel project, a tunnel or shaft that the employer has shown to be constructed, modified, or repaired under atmospheric conditions requires the tunnel to be pressurized, then the employer shall notify the Construction Safety and Health Division at the Michigan Department of Labor and Economic Opportunity, 530 West Allegan Street, P.O. Box 30645, Lansing, Michigan 48909-8145, 24 hours before allowing employees to enter the tunnel.

(4) If the work operations of any occupied and pressurized tunnel projects are discontinued for 30 consecutive days or longer, then the employer shall notify the Construction Safety and Health Division at the Michigan Department of Labor and Economic Opportunity, 24 hours before resuming work operations on the tunnel project.

History: 1979 AC; 2003 AACS; 2014 AACS; 2019 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41462

Source: 2013 AACS.

R 408.41463

Source: 2014 AACS.

R 408.41464

Source: 2014 AACS.

R 408.41465

Source: 2013 AACS.

R 408.41466

Source: 2014 AACS.

R 408.41467 Fire prevention and protection.

Rule 1467. (1) The applicable requirements for fire prevention and protection as prescribed in Construction Safety Standard Part 18. "Fire Prevention and Protection," as referenced in R 408.41410, shall be complied with in all tunnel and shaft operations.

(2) Smoking and open flames are prohibited. An employer is responsible for collecting all personal sources of ignition, such as matches and lighters, from all persons. Welding and cutting, where required, shall comply with the provisions of subrules (9) to (14) of this rule. A fire watch shall be maintained when hot work is performed.

(3) Not more than a 1-day supply of diesel fuel shall be stored in a tunnel or shaft. Gasoline or liquefied petroleum gas shall not be taken in a tunnel or shaft. Acetylene or methylacetylene propadiene stabilized gas may be used underground solely for welding, cutting, and other hot work and only as prescribed in Construction Safety Standard Part 7. "Welding and Cutting,"

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as referenced in R 408.41410.

(4) The piping of diesel fuel from the surface to an underground location is permitted only if all of the following provisions are complied with:

(a) Diesel fuel is contained at the surface in a tank with a maximum capacity that is not more than the amount of fuel required to supply, for a 24-hour period, the equipment that is serviced by the underground fueling station.

(b) The surface tank is connected to the underground fueling station by an acceptable pipe or hose system that is controlled at the surface by a valve and at the shaft bottom by a hose nozzle.

(c) The pipe is empty at all times, except when transferring diesel fuel from the surface tank to a piece of equipment in use underground.

(d) Hoisting operations in the shaft are suspended during refueling operations if the supply piping in the shaft is not protected from damage.

(e) Acetylene, liquefied petroleum gas, and methylacetylene propadiene stabilized gas may be used underground only for welding, cutting, and other hot work and only in accordance with subrules (9) to (14) of this rule.

(f) Not more than the amount of fuel gas and oxygen cylinders necessary to perform welding, cutting, or other hot work during the next 24-hour period shall be permitted underground.

(5) Leaks and spills of flammable or combustible fluids shall be cleaned up immediately.

(6) Oil, grease, or diesel fuel that is stored in a tunnel or shaft shall be kept in tightly sealed containers in fire-resistant areas at safe distances from explosives, magazines, electrical installations, and shaft stations. Electrical installations in underground areas where oil, grease, or diesel fuel are stored shall be used only for lighting fixtures. Lighting fixtures in storage areas, or within 25 feet (7.62 meters) of underground areas where oil, grease, or diesel fuel are stored, shall be approved for class I, division 2 locations.

(7) Fire-resistant hydraulic fluids shall be used in hydraulically actuated underground machinery and equipment. For the purpose of this requirement, a fire-resistant hydraulic fluid means any liquid which has a flash point above 200 degrees Fahrenheit and which has a vapor pressure of not more than 40 p.s.i. (absolute) at 100 degrees Fahrenheit.

(8) An approved 4A:40B:C rating fire extinguisher or equivalent protection shall be provided at the drive pulley of an underground conveyor and at 300-foot intervals along the belt. A minimum of 2 2A-10BC approved fire extinguishers shall be provided at the tunneling machine.

(9) Internal combustion engines, except diesel-powered engines on mobile equipment, are prohibited underground.

(10) Mobile diesel-powered equipment used underground in atmospheres other than gassy operations:

(a) Shall comply with MSHA provisions in 30 CFR 57.5067; or

(b) If purchased on or before July 15, 2019, may alternatively comply with MSHA provisions under 30 CFR part 32 (revised as of July 1, 1996) (formerly Schedule 24), or be demonstrated by the employer to be fully equivalent to such MSHA-approved equipment, and be operated in accordance with that part.

(11) For purposes of subrules (9) and (10) of this rule, when an applicable MSHA provision uses the term “mine,” use the phrase “underground construction site.” (Each brake horsepower of a diesel engine requires at least 100 cubic feet (2.832 m³) of air per minute for suitable operation in addition to the air requirements for personnel. Some engines may require a greater amount of air to ensure that the allowable levels of carbon monoxide, nitric oxide, and nitrogen dioxide are not exceeded.)

(12) Fire-resistant hydraulic fluids shall be used in hydraulically-actuated underground machinery and equipment unless such equipment is protected by a fire suppression system or by multipurpose fire extinguisher or fire extinguishers of sufficient capacity for the type and size of hydraulic equipment involved, but rated at least 4A:40B:C.

(13) A noncombustible barrier shall be installed below welding or burning operations.

(14) In an underground operation, local gas checks shall be made before and during a welding or cutting operation and during a drilling operation that would penetrate the tunnel.

(15) Whenever 5% or more of the lower explosive limit for methane or other flammable gases is detected in any underground work area or in the air return, an employer shall take steps to increase ventilation air volume or otherwise control the gas concentration, unless the employer is operating in accordance with the potentially gassy or gassy operation requirements. Such additional ventilation controls may be discontinued when gas concentrations are reduced below 5% of the lower explosive limit, but shall be reinstituted whenever the 5% level is exceeded.

(16) Whenever 10% or more of the lower explosive limit for methane or other flammable gases is detected in the vicinity of welding, cutting, or other hot work, such work shall be suspended until the concentration of such flammable gas is reduced to less than 10% of the lower explosive limit.

(17) A fire watch shall be maintained around welding and cutting operations until all possibility of fire is eliminated. The fire watch shall be provided with a minimum of 1 approved 2A-10BC fire extinguisher.

(18) Flammable materials or supplies, other than those used during 1 shift, shall not be stored within 100 feet (30.48 meters) of any tunnel or shaft opening. If this is not feasible because of space limitations on the jobsite, then such materials may be

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located within the 100 foot limit, if both of the following provisions are complied with:

- (a) The materials are located as far as practicable from the opening.
- (b) A fire resistant barrier of not less than a 1-hour rating is placed between the stored material and the opening or additional precautions are taken that will protect the materials from ignition sources.

History: 1993 AACS; 2003 AACS; 2013 AACS; 2014 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41468

Source: 2013 AACS.

TUNNELS AND SHAFTS

R 408.41471

Source: 2019 AACS.

R 408.41472

Source: 2014 AACS.

R 408.41473

Source: 1979 AC.

R 408.41474

Source: 2014 AACS.

R 408.41475

Source: 2014 AACS.

R 408.41475a Hoisting unique to underground construction.

Rule 1475a. Except as modified by this standard, employers shall comply with all of the following:

- (a) The requirements of Construction Safety and Health Standard Part 10. "Cranes and Derricks," as referenced in R 408.41410,
- (b) Ensure that material hoists comply with Construction Safety and Health Standard Part 10. "Cranes and Derricks," as referenced in R 408.41410.
- (c) Ensure that personnel hoists comply with the personnel hoists requirements of Construction Safety and Health Standard Part 10. "Cranes and Derricks," as referenced in R 408.41410.

History: 2013 AACS; 2014 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41476

Source: 2014 AACS.

R 408.41477 Additional requirements for hoists.

Rule 1477. (1) A hoist used for raising or lowering materials in a shaft shall have a minimum factor of safety of 5, shall be designed and rated by a qualified engineer, and shall be constructed in accordance with the design. The design shall be constructed so that the hoist cannot exceed the maximum rated speed.

(2) The rated capacity of the hoist shall be posted at all working levels.

(3) To ensure suitable operation and safe condition of all functions and safety devices, each hoist assembly shall be inspected and load-tested to 100% of its rated capacity at the time of installation; after any repairs or alterations affecting its structural integrity; after the operation of any safety device; and annually when in use. The employer shall prepare a certification record which includes the date each inspection and load-test was performed; the signature of the person who performed the inspection and test; and a serial number or other identifier for the hoist that was inspected and tested. The most recent certification record shall be maintained on file until completion of the project.

(4) A competent person designated by the employer shall visually inspect the stationary hoist assembly, anchorages, and hoisting rope at the beginning of each shift.

(5) All unsafe conditions that are revealed by tests, checks, or inspections shall be corrected before use of the equipment.

(6) Hoist equipment and the operator shall be protected from inclement weather by a hoist house with a comfortable temperature maintained.

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- (7) Where glass is used in hoist house windows, the glass shall be safety glass or its equivalent.
- (8) Hoist controls shall be arranged so that the operator can perform all operating cycle functions and reach the emergency power cutoff without having to reach beyond the operator's normal operating position.
- (9) Controls for powered hoists shall be of the deadman-type with a non-locking switch or control.
- (10) All hoists shall be equipped with landing level indicators at the operator's station. Marking the hoist rope does not satisfy this requirement.
- (11) Material hoisting may be performed at speeds higher than the rated speed for personnel hoisting if the hoist and components have been designed for such higher speeds and if shaft conditions permit.
- (12) Personnel and materials (other than small tools and supplies secured in a manner that will not create a hazard to employees) shall not be hoisted together in the same conveyance. However, if the operator is protected from the shifting of materials, then the operator may ride with materials in cages or skips which are designed to be controlled by an operator within the cage or skip.
- (13) Line speed shall not exceed the design limitations of the systems.
- (14) A fire extinguisher that is rated at least 2A:10B:C, multi-purpose, dry chemical, shall be mounted in each hoist house.
- (15) Hoists shall be equipped with limit switches to prevent overtravel at the top and bottom of the hoistway.
- (16) Hoist operators shall be provided with a closed-circuit voice communication system to each landing station, with speaker microphones located so that the operator can communicate with individual landing stations during hoist use.
- (17) When sinking shafts 75 feet (22.86 m) or less in depth, cages, skips, and buckets that may swing, bump, or snag against shaft sides or other structural protrusions shall be guided by fenders, rails, ropes, or a combination of those means.
- (18) When sinking shafts more than 75 feet (22.86 m) in depth, all cages, skips, and buckets shall be rope or rail guided to within a rail length from the sinking operation.
- (19) Cages, skips, and buckets in all completed shafts, or in all shafts being used as completed shafts, shall be rope or rail-guided for the full length of their travel.
- (20) Wire rope used in load lines of material hoists shall be capable of supporting, without failure, at least 5 times the maximum intended load or the factor recommended by the rope manufacturer, whichever is greater. Refer to Construction Safety and Health Standard Part 10. "Cranes and Derricks," as referenced in R 408.41410, for design factors for wire rope used in personnel hoists. The design factor shall be calculated by dividing the breaking strength of wire rope, as reported in the manufacturer's rating tables, by the total static load, including the weight of the wire rope in the shaft when fully extended.

History: 1979 AC; 2003 AACS; 2013 AACS; 2014 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41477a

Source: 2013 AACS.

R 408.41478 Additional requirements for personnel hoists.

Rule 1478. (1) A personnel hoist shall be used to raise or lower an employee in a tunnel shaft or caisson. A crane may be used to raise or lower an employee, if the crane and the work platform are as prescribed in Construction Safety and Health Standard Part 10. "Cranes and Derricks," as referenced in R 408.41410. The hoist shall comply with 1967 PA 227, MCL 408.801 to 408.824, and the elevator safety rules of the Bureau of Construction Codes, Elevator Safety Board, R 408.7001 to R 408.8695.

(2) All sides of personnel cages shall be enclosed by 1/2-inch (12.70 mm) wire mesh, at least no. 14 gauge or its equivalent, to a height of at least 6 feet (1.83 m). When the cage or skip is being used as a work platform, its sides may be reduced in height to 42 inches (1.07 m) when the conveyance is not in motion. All personnel cages shall be provided with a positive-locking door that only opens inward.

(3) Flammable or combustible liquids or gases shall not be permitted on the work platform if the platform is occupied by an employee or employees.

(4) Hoist drum systems shall be equipped with at least 2 means of stopping the load, each of which shall be capable of stopping and holding 150 % of the hoist's rated line pull. A broken-rope safety, safety catch, or arrestment device is not a permissible means of stopping.

(5) The operator shall remain within sight and sound of the signals at the operator's station.

(6) All personnel cages shall be provided with a protective canopy. The canopy shall be made of steel plate, at least 3/16-inch (4.763 mm) in thickness, or material of equivalent strength and impact resistance. The canopy shall be sloped to the outside, and so designed that a section may be readily pushed upward to afford emergency egress. The canopy shall cover the top in such a manner as to protect those inside from objects falling in the shaft.

(7) Personnel platforms operating on guide rails or guide ropes shall be equipped with broken-rope safety devices, safety

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catches or arrestment devices that will stop and hold 150 % of the weight of the personnel platform and its maximum rated load.

(8) During sinking operations in shafts where guides and safeties are not yet used, the travel speed of the personnel platform shall not exceed 200 feet (60.96 m) per minute. Governor controls set for 200 feet (60.96 m) per minute shall be installed in the control system and shall be used during personnel hoisting.

(9) The personnel platform may travel over the controlled length of the hoistway at rated speeds up to 600 feet (182.88 m) per minute during sinking operations in shafts where guides and safeties are used.

(10) The personnel platform may travel at rated speeds greater than 600 feet (182.88m) per minute in completed shafts.

History: 1979 AC; 1984 AACS; 1993 AACS; 1996 AACS; 2003 AACS; 2013 AACS; 2014 AACS; 2021 MR 4, Eff. Mar. 2, 2021.

R 408.41479

Source: 2014 AACS.

COFFERDAMS AND CAISSONS

R 408.41481

Source: 2014 AACS.

R 408.41482

Source: 2014 AACS.

R 408.41483

Source: 2014 AACS.

PART 15. EXCAVATORS, HOISTS, ELEVATORS, HELICOPTERS, AND CONVEYORS

GENERAL PROVISIONS

R 408.41501

Source: 2016 AACS.

R 408.41505

Source: 2016 AACS.

R 408.41510

Source: 2016 AACS.

R 408.41515

Source: 2016 AACS.

EXCAVATORS

R 408.41520

Source: 2016 AACS.

R 408.41521

Source: 2016 AACS.

R 408.41522

Source: 2016 AACS.

R 408.41523

Source: 2016 AACS.

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R 408.41524
Source: 2016 AACS.

R 408.41525
Source: 2016 AACS.

R 408.41526
Source: 2016 AACS.

R 408.41527
Source: 2016 AACS.

HOISTS AND ELEVATORS

R 408.41530
Source: 2016 AACS.

R 408.41531
Source: 2016 AACS.

GENERAL REQUIREMENTS FOR MATERIAL HOISTS, PERSONNEL HOISTS, AND ELEVATORS

R 408.41540
Source: 2016 AACS.

R 408.41541
Source: 2016 AACS.

R 408.41542
Source: 2016 AACS.

R 408.41543
Source: 2016 AACS.

MATERIAL HOISTS – ADDITIONAL REQUIREMENTS

R 408.41550
Source: 2016 AACS.

PERSONNEL HOISTS AND ELEVATORS - ADDITIONAL REQUIREMENTS

R 408.41560
Source: 2016 AACS.

R 408.41561
Source: 2016 AACS.

R 408.41562
Source: 2016 AACS.

R 408.41563
Source: 2016 AACS.

R 408.41564
Source: 2016 AACS.

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BASE-MOUNTED DRUM HOISTS

R 408.41570
Source: 2016 AACS.

OVERHEAD HOISTS

R 408.41580
Source: 2016 AACS.

HELICOPTERS

R 408.41590
Source: 2016 AACS.

CONVEYORS

R 408.41595
Source: 2016 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

CONSTRUCTION SAFETY STANDARDS

PART 16. POWER TRANSMISSION AND DISTRIBUTION

R 408.41601
Source: 2015 AACS.

R 408.41605
Source: 2016 AACS.

R 408.41610
Source: 2016 AACS.

R 408.41625
Source: 2015 AACS.

R 408.41626
Source: 2015 AACS.

R 408.41627
Source: 2015 AACS.

R 408.41628
Source: 2015 AACS.

R 408.41629
Source: 2015 AACS.

R 408.41630
Source: 2015 AACS.

R 408.41631

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Source: 2015 AACS.

R 408.41632

Source: 2015 AACS.

R 408.41633

Source: 2015 AACS.

R 408.41634

Source: 2015 AACS.

R 408.41635

Source: 2015 AACS.

R 408.41636

Source: 2015 AACS.

R 408.41637

Source: 2015 AACS.

R 408.41638

Source: 2015 AACS.

R 408.41639

Source: 2015 AACS.

R 408.41640

Source: 2015 AACS.

R 408.41641

Source: 2015 AACS.

R 408.41642

Source: 2015 AACS.

R 408.41643

Source: 2015 AACS.

R 408.41644

Source: 2015 AACS.

R 408.41645

Source: 2015 AACS.

R 408.41646

Source: 2015 AACS.

R 408.41647

Source: 2015 AACS.

R 408.41648

Source: 2015 AACS.

R 408.41649

Source: 2015 AACS.

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R 408.41650
Source: 2015 AACs.

R 408.41651
Source: 2015 AACs.

R 408.41652
Source: 2015 AACs.

R 408.41653
Source: 2015 AACs.

R 408.41654
Source: 2015 AACs.

R 408.41655
Source: 2015 AACs.

R 408.41656
Source: 2015 AACs.

R 408.41657
Source: 2015 AACs.

R 408.41658
Source: 2015 AACs.

PART 17. ELECTRICAL INSTALLATIONS

R 408.41701
Source: 1979 AC.

R 408.41717
Source: 1979 AC.

R 408.41718
Source: 1979 AC.

R 408.41719
Source: 2013 AACs.

R 408.41720
Source: 1979 AC.

R 408.41722
Source: 1979 AC.

R 408.41723
Source: 1979 AC.

R 408.41724
Source: 1979 AC.

R 408.41725

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Source: 2013 AACS.

R 408.41726

Source: 1979 AC.

R 408.41727

Source: 1979 AC.

R 408.41728

Source: 2013 AACS.

R 408.41729

Source: 1979 AC.

R 408.41730

Source: 1979 AC.

R 408.41731

Source: 1979 AC.

R 408.41732

Source: 1979 AC.

R 408.41733

Source: 1982 AACS.

R 408.41734

Source: 1979 AC.

PART 18. FIRE PROTECTION AND PREVENTION

R 408.41801

Source: 2002 AACS.

R 408.41802

Source: 2015 AACS.

R 408.41836

Source: 2015 AACS.

R 408.41837

Source: 2015 AACS.

R 408.41838

Source: 2015 AACS.

R 408.41841

Source: 2015 AACS.

R 408.41842

Source: 2013 AACS.

R 408.41850

Source: 2013 AACS.

R 408.41851

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Source: 2015 AACs.

R 408.41852

Source: 2015 AACs.

R 408.41853

Source: 2015 AACs.

R 408.41854

Source: 2015 AACs.

R 408.41855

Source: 2015 AACs.

R 408.41856

Source: 1983 AACs.

R 408.41851

Source: 2015 AACs.

R 408.41852

Source: 2015 AACs.

R 408.41853

Source: 2015 AACs.

R 408.41854

Source: 2015 AACs.

R 408.41855

Source: 2015 AACs.

R 408.41873

Source: 1983 AACs.

R 408.41874

Source: 2015 AACs.

R 408.41875

Source: 2015 AACs.

R 408.41876

Source: 2015 AACs.

R 408.41877

Source: 2015 AACs.

R 408.41877a

Source: 2015 AACs.

R 408.41878

Source: 2015 AACs.

R 408.41879

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Source: 2015 AACS.

R 408.41881

Source: 2015 AACS.

R 408.41882

Source: 2015 AACS.

R 408.41883

Source: 2015 AACS.

TEMPORARY HEATING DEVICES

R 408.41884

Source: 2015 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

PART 19. TOOLS

R 408.41901

Source: 2016 AACS.

R 408.41902

Source: 2016 AACS.

R 408.41926

Source: 1989 AACS.

R 408.41927

Source: 2016 AACS.

R 408.41928

Source: 1989 AACS.

R 408.41929

Source: 1989 AACS.

R 408.41931

Source: 2013 AACS.

R 408.41932

Source: 2016 AACS.

R 408.41933

Source: 1989 AACS.

R 408.41934

Source: 2013 AACS.

R 408.41935

Source: 2013 AACS.

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R 408.41936
Source: 2016 AACCS.

R 408.41937
Source: 2016 AACCS.

R 408.41938
Source: 1979 AC.

R 408.41941
Source: 1979 AC.

R 408.41942
Source: 2016 AACCS.

R 408.41943
Source: 2016 AACCS.

R 408.41944
Source: 1997 AACCS.

R 408.41945
Source: 2016 AACCS.

R 408.41949
Source: 2016 AACCS.

R 408.41950
Source: 1979 AC.

R 408.41951
Source: 2016 AACCS.

R 408.41952
Source: 2016 AACCS.

R 408.41953
Source: 2013 AACCS.

R 408.41954
Source: 203 AACCS.

R 408.41955
Source: 1989 AACCS.

R 408.41956
Source: 2013 AACCS.

R 408.41957
Source: 2013 AACCS.

R 408.41958
Source: 1997 AACCS.

R 408.41959
Source: 2016 AACCS.

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R 408.41960
Source: 2016 AACCS.

R 408.41961
Source: 1995 AACCS.

R 408.41962
Source: 1989 AACCS.

R 408.41963
Source: 1997 AACCS.

R 408.41964
Source: 2013 AACCS.

R 408.41966
Source: 1995 AACCS.

R 408.41967
Source: 1979 AC.

R 408.41968
Source: 1979 AC.

R 408.41969
Source: 2016 AACCS.

R 408.41970
Source: 2013 AACCS.

R 408.41971
Source: 2013 AACCS.

R 408.41972
Source: 1989 AACCS.

R 408.41973
Source: 1989 AACCS.

R 408.41974
Source: 2013 AACCS.

R 408.41975
Source: 2013 AACCS.

R 408.41976
Source: 1989 AACCS.

R 408.41977
Source: 2013 AACCS.

R 408.41978
Source: 1989 AACCS.

R 408.41979
Source: 2013 AACCS.

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R 408.41980
Source: 2016 AACS.

PART 20. DEMOLITION

R 408.42001
Source: 1981 AACS.

R 408.42023
Source: 1998-2000 AACS.

R 408.42031
Source: 2013 AACS.

R 408.42032
Source: 1996 AACS.

R 408.42033
Source: 1981 AACS.

R 408.42034
Source: 2013 AACS.

R 408.42041
Source: 2013 AACS.

R 408.42043
Source: 2013 AACS.

R 408.42044
Source: 1981 AACS.

R 408.42045
Source: 2013 AACS.

R 408.42046
Source: 2013 AACS.

R 408.42047
Source: 2013 AACS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 21. GUARDING OF WALKING AND WORKING AREAS

R 408.42101
Source: 2016 AACS.

R 408.42110 MIOSHA referenced standard.

Rule 2110. Michigan Occupational Safety and Health Administration (MIOSHA) Construction Safety Standard Part 22. "Signals, Signs, Tags, and Barricades," R 408.42201 to R 408.42243, is referenced in these rules. Up to 5 copies of this

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standard may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

History: 2016 AACCS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42121

Source: 1996 AACCS.

R 408.42122

Source: 1996 AACCS.

R 408.42123

Source: 1996 AACCS.

R 408.42127

Source: 1993 AACCS.

R 408.42128

Source: 2016 AACCS.

R 408.42129

Source: 1993 AACCS.

R 408.42130

Source: 1993 AACCS.

R 408.42131

Source: 2013 AACCS.

R 408.42140

Source: 1997 AACCS.

R 408.42141

Source: 1997 AACCS.

R 408.42142

Source: 1997 AACCS.

R 408.42143

Source: 1997 AACCS.

R 408.42144

Source: 1997 AACCS.

R 408.42145

Source: 2013 AACCS.

R 408.42146

Source: 1997 AACCS.

R 408.42147

Source: 1997 AACCS.

R 408.42148

Source: 1997 AACCS.

R 408.42149 Stairways.

Rule 2149. (1) A stairway shall be equipped with a stair railing or handrail as follows:

- (a) A stairway which is not more than 44 inches (112 cm) wide and which has enclosed sides shall have a handrail on the right descending side.
- (b) A stairway which is not more than 44 inches (112 cm) wide and which has 1 open side shall have a stair railing on the open side.
- (c) A stairway which is not more than 44 inches (112 cm) wide and which has 2 open sides shall have a stair railing on each side.
- (d) A stairway that is more than 44 inches (112 cm) wide shall have 1 handrail on each enclosed side and 1 stair rail on each open side.
- (e) A stairway that is 88 or more inches (224 cm) wide shall have 1 handrail on each enclosed side, 1 stair rail on each open side, and 1 intermediate stair rail located in the middle of the stairway.
- (2) Where a door or gate opens directly on a stairway more than 6 feet (1.8 m) in height and is used as a required means of egress, a stair landing shall be provided. The swing of the door shall not reduce the landing which leads to the stairway to less than 20 inches (51 cm) unless specified in another code.

History: 1982 AACS; 1989 AACS; 2013 AACS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42150 Guardrail specifications for scaffolding and catch platforms.

Rule 2150. (1) A guardrail for scaffolding and catch platforms shall consist of a top rail, intermediate rail, and supporting posts. The top rail shall have a smooth surface and shall be installed between 38 inches (97 cm) and 45 inches (114 cm) above the floor, ramp, platform, or runway. When conditions warrant, the height of the top edge may exceed the 45-inch (114 cm) height, provided the guardrail system meets all other criteria of this rule. The intermediate rail shall be located halfway between the top rail and the floor, ramp, platform, or runway. The top rail shall not overrun the terminal posts unless such a projection does not constitute a hazard.

- (2) A top rail and its supporting posts shall be constructed of wood that is not less than 2- by 4-inch nominal size with a 1- by 6-inch or 2- by 4-inch nominal size intermediate rail. The construction and fastenings shall produce a guardrail capable of withstanding a 200-pound side thrust applied at the top rail. Other material may be used if the finished product has the 200-pound capability. A guardrail that is subject to additional loads shall be constructed of heavier stock and the supporting post shall be more closely spaced.
- (3) Vertical supporting posts shall be placed not more than 8 feet (2.4 m) apart.
- (4) Banding steel shall not be used for guardrail construction.
- (5) Welded re-steel members shall not be used for guardrail construction.

History: 1982 AACS; 1989 AACS; 1996 AACS; 2016 AACS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42154 Runway and ramp specifications.

Rule 2154. (1) A ramp or runway that is used exclusively by employees as a means of access to or egress from a walking or working surface shall comply with all of the following provisions:

- (a) Be capable of supporting not less than 2 times the maximum intended load.
- (b) Consist of a minimum of two 2-inch by 10-inch nominal size planks placed side by side or other material of equal width that provides equivalent strength if guardrails are not required.
- (c) Consist of a minimum of three 2-inch by 10-inch nominal size planks placed side by side or other material of equal width that provides equivalent strength if guardrails are required.
- (d) Not be constructed steeper than the ratio of 1 foot of vertical rise to 2 feet (0.6 m) of horizontal run.
- (e) Have a slip-resistant surface or have cleats that are not more than 2 inches by 4 inches nominal size and which are uniformly spaced not more than 24 inches (61 cm) apart.
- (f) Be constructed to avoid excessive deflection and springing action.
- (g) Be secured at each end to prevent displacement.
- (h) Not be used for the storage of materials or equipment.
- (i) Be maintained free of debris, other loose materials, and slip or trip hazards.

(2) A ramp or runway used by employees with wheelbarrows shall comply with both of the following provisions:

- (a) Be constructed and used as prescribed in subrule (1)(a), (d), (e), (f), (g), (h), and (i) of this rule.
- (b) Consist of three 2-inch by 10-inch nominal size planks placed side by side or other material of equal width that provides equivalent strength.
- (3) A ramp or runway used by concrete buggies, forklift trucks, or other motorized material handling equipment shall comply

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with all of the following provisions:

- (a) Be capable of supporting not less than 4 times the maximum intended load.
 - (b) Be not less than 5 feet (1.5 m) wide.
 - (c) Be constructed and used as prescribed in subrule (1)(a), (d), (f), (g), (h), and (i) of this rule.
 - (4) A ramp or runway constructed of 2 or more planks placed side by side shall have the planks securely fastened together.
- History: 1982 AACCS; 1989 AACCS; 2016 AACCS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42155 Specifications for stair rail.

Rule 2155. (1) A stair railing shall consist of a stair rail, a vertical support, and an intermediate rail or its equivalent to prevent an employee from falling through the opening between the stair rail and the stairs. The stair rail shall parallel the slope of the stairway.

- (2) A stair rail shall be smooth, made of 2- by 4-inch nominal-sized lumber, and constructed in a manner to withstand a side thrust of not less than 200 pounds. The height of a stair rail shall be as follows:
 - (a) A stair rail that is installed after March 15, 1991, shall be not less than 36 inches (91.5 cm) from the upper surface of the stair rail system to the surface of the tread and in line with the face of the riser at the forward edge of the tread.
 - (b) A stair rail that is installed before March 15, 1991, shall be not less than 30 inches (76 cm) nor more than 34 inches (86 cm) from the upper surface of the stair rail system to the surface of the tread and in line with the face of the riser at the forward edge of the tread.
- (3) The vertical post shall be constructed of not less than 2- by 4-inch nominal-sized lumber and shall be spaced not more than 6 feet (1.8 m) apart.
- (4) An intermediate rail or midrail shall be constructed of not less than 1- by 6-inch or 2- by 4-inch nominal-sized lumber and shall be installed midway between the stair rail and the treads.
- (5) Screens, mesh, intermediate vertical members, or equivalent intermediate structural members shall be provided between the top rail of the stair rail system and the stairway steps.
- (6) Screens or mesh, when used, shall extend from the top rail to the stairway step and along the entire opening between the top rail supports.
- (7) When intermediate vertical members, such as balusters, are used between posts, they shall be not more than 19 inches (48 cm) apart.
- (8) Other structural members, when used, shall be installed such that there are no openings in the stair rail system that are more than 19 inches (48 cm) wide.
- (9) A stair rail shall not have protruding nails or rough or sharp corners and shall not constitute a projection hazard.
- (10) Other material may be used if the stair railing meets the 200-pound side thrust requirement.
- (11) A stairway that has 4 or more risers or rises more than 30 inches (76 cm), whichever is less, shall be equipped with at least 1 handrail and at least 1 stair rail system along each unprotected side or edge. When the top edge of a stair rail system also serves as a handrail, R 408.42156(3) applies.
- (12) Winding and spiral stairways shall be equipped with a handrail that is sufficiently offset to prevent walking on those portions of the stairways where the tread width is less than 6 inches (15 cm).

History: 1982 AACCS; 1993 AACCS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42156 Handrail specifications.

Rule 2156. (1) A handrail shall be of a configuration that provides a handhold when grasped to avoid a fall and shall follow the slope of the stairway.

- (2) A handrail shall be vertically installed not more than 37 inches (94 cm), nor less than 30 inches (76 cm), above the front edge of the treads.
- (3) When the top edge of a stair rail system also serves as a handrail, the height of the top edge shall be not more than 37 inches (94 cm) nor less than 36 inches (91.5 cm) from the upper surface of the stair rail system to the surface of the tread and in line with the face of the riser at the forward edge of the tread.
- (4) A handrail shall have a smooth surface along the top and sides and the ends shall not present a projection hazard.
- (5) Handrails that will not be a permanent part of the structure being built shall have a minimum clearance of 3 inches (8 cm) between the handrail and walls, stair rail systems, and other objects.
- (6) The ends of stair rail systems and handrails shall be constructed so as not to constitute a projection hazard.

History: 1982 AACCS; 1993 AACCS; 2013 AACCS; 2016 AACCS; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42157 Temporary stairways.

Rule 2157. (1) All wooden components that are necessary to construct and guard a temporary stairway shall be of

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construction-grade lumber.

- (2) The minimum width of a temporary stairway shall be 22 inches (56 cm).
- (3) The total vertical rise of a temporary stairway shall not be more than 12 feet (3.7 m), unless stair platforms are provided.
- (4) The rise shall be not less than 6 inches (15 cm) nor more than 8 inches (20 cm).
- (5) The ratio of rise to tread width shall be uniform for all sets of stairs.
- (6) The sides of a temporary stairway shall be guarded as required by R 408.42155 and R 408.42156, except that a stairway used as access to material storage trailers is required to be guarded on only 1 side.
- (7) If used during construction, permanent steel or other metal stairways and landings with hollow pan-type treads that are to be filled with concrete or other materials shall be filled to the level of the nosing with solid material. This requirement shall not apply during the period of actual construction of the stairways. Metal landings shall be secured in place before filling. Such temporary treads and landings shall be replaced when worn below the level of the top edge of the pan.
- (8) A stairway shall be free of hazardous projections, such as nails, sharp top rails, and handrail projections.
- (9) A stairway shall have a minimum vertical clearance of 7 feet (2.1 m) from any overhead object, unless the overhead object is padded and caution signs or paint is used on the object, as prescribed in Construction Safety Standard Part 22. "Signals, Signs, Tags, and Barricades," as referenced in R 408.42110.
- (10) Except during stairway construction, foot traffic is prohibited on skeleton metal stairs where permanent treads or landings are to be installed at a later date, unless the stairs are fitted with secured temporary treads and landings long enough to cover the entire tread or landing area.
- (11) Treads for temporary service shall be made of wood or other solid material and shall be installed the full width and depth of the stair.

History: 1982 AACs; 1989 AACs; 1993 AACs; 2013 AACs; 2016 AACs; 2021 MR 6, Eff. Mar 29, 2021.

R 408.42158

Source: 1997 AACs.

R 408.42159

Source: 2013 AACs.

R 408.42160

Source: 2013 AACs.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARD

PART 22. SIGNALS, SIGNS, TAGS, AND BARRICADES

R 408.42201 Scope and adopted and referenced standards.

Rule 2201. (1) This part pertains to the design, placement, relocation, covering, removal, use, and maintenance of signals, traffic control devices, accident prevention signs, tags, and barricades for construction operations.

(2) American National Standards Institute (ANSI) International Safety Equipment Association (ISEA) standard 107 "High-Visibility Safety Apparel and Headwear," 2004 edition, is adopted by reference in these rules. This standard is available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com>; at a cost as of the time of adoption of these rules of \$64.00.

(3) The "Manual on Uniform Traffic Control Devices, Part 6: Temporary Traffic Control," 2011 Michigan/2009 Federal Edition is adopted by reference in these rules and is available at no cost from the Michigan Department of Transportation via the Internet at website: www.michigan.gov/mdot. The entire 2011 Michigan Manual on Uniform Traffic Control Devices (MMUTCD) may be purchased from the Michigan Department of Transportation, Cashiers Office, P.O. Box 30648, Lansing, Michigan 48909-8148; (517) 636-0650; at a cost of \$143.99 as of the time of adoption of these rules.

(4) The standards adopted in subrules (1) and (2) of this rule are also available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(5) Copies of the standards adopted in subrules (1) and (2) of this rule may be obtained from the publisher or may also be

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obtained from the Department of Labor and Economic Opportunity, MIOASHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost stated in subrules (1) and (2) of this rule, plus \$20 for shipping and handling.

(6) The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOASHA, Standards and FOIA Section, 530 W. Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety and Health Standard Part 1. "General Rules," R 408.40101 to R 408.40134.

(b) Construction Safety and Health Standard Part 6. "Personal Protective Equipment," R 408.40601 to R 408.40660.

(c) Construction Safety and Health Standard Part 10. "Cranes and Derricks," R 408.41001 to R 408.41099a.

(d) Construction Safety and Health Standard Part 13. "Mobile Equipment," R 408.41301.

(e) Construction Safety Standards Part 27. "Blasting and Use of Explosives," R 408.42701 to R 408.42799.

(f) Construction Safety and Health Standard Part 30. "Telecommunications for Construction," R 408.43001 to R 408.43006.

(g) Construction Safety Standards Part 45. "Fall Protection," R 408.44501 to R 408.44502.

History: 1979 AC; 2001 AACS; 2021 MR 6, Eff. Mar 30, 2021.

R 408.42209 Rescinded.

History: 2006 AACS; 2013 AACS; 2021 MR 6, Eff. Mar 30, 2021.

R 408.42210

Source: 1997 AACS.

R 408.42211

Source: 2001 AACS.

R 408.42212

Source: 2001 AACS.

R 408.42213

Source: 2013 AACS.

R 408.42221

Source: 2014 AACS.

R 408.42222

Source: 2001 AACS.

R 408.42223 Traffic control.

Rule 2223. (1) Traffic control devices shall be installed and maintained as prescribed in Part 6 of the 2011 MMUTCD, which is adopted by reference in R 408.42201.

(a) At points of hazard, construction areas shall be posted with legible traffic control signs and protected by traffic control devices.

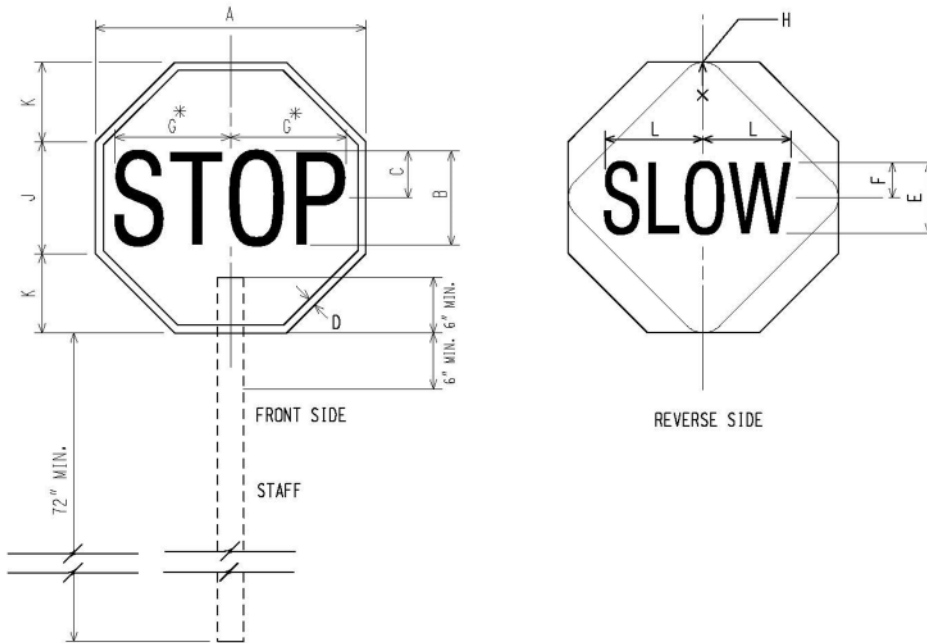
(b) The design and use of all traffic control devices, including signs, signals, markings, barricades, and other devices for protection of construction workers shall conform to the provisions of Part 6 of the 2011 MMUTCD, which is adopted by reference in R 408.42201.

(2) A hand-held paddle sign shall have 2 faces and it shall be attached to a staff of suitable design that will allow the entire unit to be held and controlled by 1 traffic regulator. The bottom of the sign shall be a minimum of 6 feet above the roadway surface. The sign shall be fastened to the staff so that no part of the legend is obscured. The portion of the staff within the sign face shall match the sign colors. The sign shall not be less than 18 by 18 inches and the letters shall have a minimum height of 6 inches (150 millimeters). All letters and spacing between letters shall be as prescribed in Part 6 of the 2011 MMUTCD, which is adopted by reference in R 408.42201. The legend shall be optically centered horizontally on the sign. One side of the sign shall display a "STOP" face and the other side shall display the message "SLOW," except that if it is necessary for 1 traffic regulator to stop 2 directions of traffic at the same time, then a "STOP" face shall be used on each side of the sign. The "STOP" face shall have a red background with white letters and border. The "SLOW" face shall have an orange background with black letters and border. The shape of the sign shall be octagonal and the portions of the sign other

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than the diamond-shaped "SLOW" face shall be black. When the sign paddle is used during hours of darkness, the red and white of the "STOP" face and the orange of the "SLOW" face shall be reflectorized. Sheet metal or other light semi-rigid material may be used for mounting the "STOP" and "SLOW" faces.

(3) The paddle sign shall be as follows:



R1-1a

* SPACING REDUCED 40%

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
MINIMUM	18	6 C	3	.5	6 B	3	7.75	1.5	7.5	5.25	6.25
SPECIAL	24	8 C	4	.62	8 B	3.5	10	1.5	9.87	7.06	8.25

Note: "Special" sign dimensions are recommended for single traffic regulator operations.

(4) An employer shall provide, and a traffic regulator shall wear, high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107, "High-Visibility Safety Apparel and Headwear," 2004 edition, (see Section 1A.11), which is adopted by reference in R 408.42201, or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure.

(5) A traffic regulator shall also wear head, eye, and foot protection as prescribed in Construction Safety and Health Standard Part 6. Personal Protective Equipment, as referenced in R 408.42201.

History: 1979 AC; 1982 AACS; 1995 AACS; 2001 AACS; 2006 AACS; 2013 AACS; 2014 AACS; 2021 MR 6, Eff. Mar 30, 2021.

R 408.42224

Source: 2014 AACS.

R 408.42225

Source: 2013 AACS.

R 408.42229

Source: 2014 AACS.

R 408.42230

Source: 2001 AACS.

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R 408.42231
Source: 1995 AACS.

R 408.42232
Source: 1997 AACS.

R 408.42233
Source: 2001 AACS.

R 408.42235
Source: 2006 AACS.

R 408.42238
Source: 2013 AACS.

R 408.42241
Source: 2014 AACS.

R 408.42242
Source: 1979 AC.

R 408.42243
Source: 2014 AACS.

PART 24. TAR KETTLES

R 408.42401
Source: 1991 AACS.

R 408.42402
Source: 2013 AACS.

R 408.42403
Source: 2013 AACS.

R 408.42404
Source: 2013 AACS.

R 408.42405
Source: 2013 AACS.

R 408.42406
Source: 2013 AACS.

R 408.42407
Source: 2013 AACS.

PART 25. CONCRETE CONSTRUCTION

R 408.42501
Source: 2016 AACS.

R 408.42502
Source: 2016 AACS.

R 408.42503

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Source: 2016 AACS.

R 408.42516

Source: 2003 AACS.

R 408.42517

Source: 2016 AACS.

R 408.42518

Source: 2016 AACS.

R 408.42519

Source: 2003 AACS.

R 408.42520

Source: 2016 AACS.

R 408.42521

Source: 2013 AACS.

R 408.42522

Source: 2013 AACS.

R 408.42523

Source: 2016 AACS.

R 408.42524

Source: 2013 AACS.

R 408.42525

Source: 2013 AACS.

R 408.42526

Source: 2013 AACS.

R 408.42527

Source: 2013 AACS.

R 408.42528

Source: 2013 AACS.

R 408.42531

Source: 2013 AACS.

R 408.42532

Source: 2013 AACS.

R 408.42533

Source: 2016 AACS.

R 408.42534

Source: 2013 AACS.

R 408.42535

Source: 2013 AACS.

PART 26. STEEL AND PRECAST ERECTION

R 408.42601
Source: 2002 AACS.

R 408.42602
Source: 2013 AACS.

R 408.42604
Source: 2002 AACS.

R 408.42605
Source: 2014 AACS.

R 408.42606
Source: 2002 AACS.

R 408.42607
Source: 2002 AACS.

R 408.42608
Source: 2014 AACS.

R 408.42609
Source: 2014 AACS.

R 408.42610
Source: 2002 AACS.

R 408.42611
Source: 1997 AACS.

R 408.42612
Source: 1997 AACS.

R 408.42613
Source: 1997 AACS.

R 408.42614
Source: 2010 AACS.

R 408.42615
Source: 2002 AACS.

R 408.42616
Source: 2007 AACS.

R 408.42617
Source: 2002 AACS.

R 408.42618
Source: 2002 AACS.

R 408.42620
Source: 2002 AACS.

R 408.42621

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Source: 2002 AACS.

R 408.42622

Source: 2002 AACS.

R 408.42623

Source: 2002 AACS.

R 408.42624

Source: 2007 AACS.

R 408.42625

Source: 2007 AACS.

R 408.42626

Source: 2014 AACS.

R 408.42628

Source: 2007 AACS.

R 408.42629

Source: 2014 AACS.

R 408.42630

Source: 2002 AACS.

R 408.42632

Source: 2002 AACS.

R 408.42634

Source: 2007 AACS.

R 408.42636

Source: 2007 AACS.

R 408.42638

Source: 2002 AACS.

R 408.42640

Source: 2002 AACS.

R 408.42642

Source: 2002 AACS.

R 408.42643

Source: 2014 AACS.

R 408.42644

Source: 2013 AACS.

R 408.42645

Source: 2002 AACS.

R 408.42646

Source: 2002 AACS.

R 408.42648

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Source: 2007 AACS.

R 408.42650

Source: 2002 AACS.

R 408.42651

Source: 2014 AACS.

R 408.42653

Source: 2002 AACS.

R 408.42654

Source: 2002 AACS.

R 408.42655

Source: 2014 AACS.

R 408.42656

Source: 2002 AACS.

PART 27. BLASTING AND USE OF EXPLOSIVES

R 408.42701

Source: 2015 AACS.

R 408.42705

Source: 2015 AACS.

R 408.42710

Source: 2015 AACS.

R 408.42724

Source: 2015 AACS.

R 408.42725

Source: 2015 AACS.

R 408.42726

Source: 2015 AACS.

R 408.42727

Source: 2015 AACS.

R 408.42728

Source: 2015 AACS.

R 408.42731

Source: 2015 AACS.

R 408.42732

Source: 2015 AACS.

R 408.42733

Source: 2015 AACS.

R 408.42734

Source: 2015 AACS.

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R 408.42735
Source: 2015 AACCS.

R 408.42737
Source: 2015 AACCS.

R 408.42741
Source: 2015 AACCS.

R 408.42742
Source: 2015 AACCS.

R 408.42743
Source: 2015 AACCS.

R 408.42744
Source: 2015 AACCS.

R 408.42751
Source: 2015 AACCS.

R 408.42752
Source: 2015 AACCS.

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Source: 2015 AACCS.

R 408.42757
Source: 2015 AACCS.

R 408.42758
Source: 2015 AACCS.

R 408.42759
Source: 2015 AACCS.

R 408.42761
Source: 2015 AACCS.

R 408.42762
Source: 2015 AACCS.

R 408.42763
Source: 2015 AACCS.

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R 408.42799
Source: 2015 AACS.

PART 28 PERSONNEL HOISTING IN STEEL ERECTION

R 408.42801
Source: 2007 AACS.

R 408.42804
Source: 2007 AACS.

R 408.42806
Source: 2007 AACS.

R 408.42809
Source: 2007 AACS.

PART 29. COMMUNICATION TOWERS

R 408.42901
Source: 2009 AACS.

R 408.42904
Source: 2009 AACS.

R 408.42907
Source: 2009 AACS.

R 408.42910
Source: 2009 AACS.

R 408.42913
Source: 2009 AACS.

R 408.42916
Source: 2009 AACS.

R 408.42919
Source: 2009 AACS.

R 408.42922
Source: 2009 AACS.

R 408.42925
Source: 2009 AACS.

R 408.42928
Source: 2009 AACS.

R 408.42931
Source: 2009 AACS.

R 408.42934
Source: 2009 AACS.

R 408.42937
Source: 2009 AACS.

R 408.42940

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Source: 2009 AACS.

R 408.42943

Source: 2009 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE - MIOSHA

CONSTRUCTION SAFETY AND HEALTH

PART 30. TELECOMMUNICATIONS FOR CONSTRUCTION

R 408.43001

Source: 2019 AACS.

R 408.43002

Source: 2017 AACS.

R 408.43003

Source: 2013 AACS.

R 408.43004

Source: 2013 AACS.

R 408.43005

Source: 2017 AACS.

R 408.43006

Source: 2019 AACS.

PART 31. DIVING OPERATIONS

R 408.43101

Source: 2013 AACS.

R 408.43103

Source: 2013 AACS.

R 408.43104

Source: 2013 AACS.

R 408.43105

Source: 2013 AACS.

R 408.43106

Source: 2013 AACS.

R 408.43107

Source: 2013 AACS.

R 408.43109

Source: 2013 AACS.

R 408.43111

Source: 2013 AACS.

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R 408.43112
Source: 2013 AACCS.

R 408.43113
Source: 2013 AACCS.

R 408.43114
Source: 2013 AACCS.

R 408.43121
Source: 2013 AACCS.

R 408.43122
Source: 2013 AACCS.

R 408.43123
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R 408.43124
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R 408.43132
Source: 2013 AACCS.

R 408.43133
Source: 2013 AACCS.

R 408.43134
Source: 2013 AACCS.

R 408.43141
Source: 2013 AACCS.

R 408.43142
Source: 2013 AACCS.

R 408.43145
Source: 2013 AACCS.

R 408.43146
Source: 2013 AACCS.

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R 408.43151
Source: 2013 AACS.

R 408.43152
Source: 2013 AACS.

R 408.43153
Source: 2013 AACS.

R 408.43154
Source: 2013 AACS.

R 408.43155
Source: 2013 AACS.

R 408.43156
Source: 2013 AACS.

R 408.43157
Source: 2013 AACS.

R 408.43158
Source: 2013 AACS.

R 408.43161
Source: 2013 AACS.

R 408.43162
Source: 2013 AACS.

PART 32. AERIAL WORK PLATFORMS

R 408.43201
Source: 2008 AACS.

R 408.43202
Source: 2008 AACS.

R 408.43203
Source: 2013 AACS.

R 408.43204
Source: 2008 AACS.

R 408.43204a
Source: 2013 AACS.

R 408.43205
Source: 2013 AACS.

R 408.43206
Source: 2013 AACS.

R 408.43207
Source: 2013 AACS.

R 408.43208

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Source: 2013 AACS.

R 408.43209

Source: 2008 AACS.

R 408.43210

Source: 2008 AACS.

R 408.43212

Source: 2013 AACS.

R 408.43214

Source: 2013 AACS.

R 408.43216

Source: 2013 AACS.

R 408.43220

Source: 2008 AACS.

PART 35. CONFINED SPACE IN CONSTRUCTION

R 408.43501

Source: 2015 AACS.

R 408.43505

Source: 2015 AACS.

R 408.43510

Source: 2015 AACS.

PART 42. HAZARD COMMUNICATION

R 408.44201

Source: 2014 AACS.

R 408.44202

Source: 2014 AACS.

R 408.44203

Source: 2014 AACS.

R 408.44204

Source: 2014 AACS.

PART 45. FALL PROTECTION

R 408.44501

Source: 2015 AACS.

R 408.44502

Source: 2015 AACS.

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PART 51. AGRICULTURAL TRACTORS

R 408.45101
Source: 1997 AACS.

PART 53. FARM FIELD EQUIPMENT

R 408.45301
Source: 1979 AC.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

**SAFETY STANDARDS FOR AGRICULTURE
PART 55 AGRICULTURAL OPERATIONS**

R 408.45501
Source: 2014 AACS.

R 408.45502
Source: 2014 AACS.

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

PART 91. PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS

R 408.49101
Source: 2016 AACS.

R 408.49102
Source: 2016 AACS.

R 408.49103
Source: 2016 AACS.

DEPARTMENT OF EDUCATION

**VOCATIONAL-TECHNICAL EDUCATION SERVICE
STANDARDS FOR ISSUANCE OF WORK PERMITS**

R 409.1
Source: 1980 AACS.

R 409.2
Source: 2015 AACS.

R 409.3
Source: 2015 AACS.

R 409.4
Source: 2015 AACS.

R 409.5
Source: 2015 AACS.

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R 409.6
Source: 1980 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
DIRECTOR'S OFFICE
WORKER'S COMPENSATION APPELLATE COMMISSION
ADMINISTRATIVE APPELLATE PROCEDURE

R 418.1
Source: 2015 AACS.

R 418.2
Source: 2015 AACS.

R 418.3
Source: 2015 AACS.

R 418.4
Source: 2015 AACS.

R 418.5
Source: 2015 AACS.

R 418.6
Source: 2015 AACS.

R 418.7
Source: 2015 AACS.

R 418.8
Source: 2015 AACS.

WORKER'S COMPENSATION BOARD OF MAGISTRATES

R 418.51
Source: 2015 AACS.

R 418.52
Source: 2015 AACS.

R 418.53
Source: 2015 AACS.

R 418.54
Source: 2015 AACS.

R 418.55
Source: 2015 AACS.

R 418.56
Source: 2015 AACS.

R 418.57
Source: 2015 AACS.

R 418.58

Source: 2015 AACCS.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

WORKERS' DISABILITY COMPENSATION AGENCY

WORKERS' DISABILITY COMPENSATION APPEALS COMMISSION

R 418.61 Scope.

Rule 1. These rules apply to practice and procedure before the workers' disability compensation appeals commission, or any successor to that body, in appeals taken under the worker's disability compensation act of 1969, 1969 PA 317, MCL 418.101 to 418.941.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.62 Definitions.

Rule 2. As used in these rules:

- (a) "Commission" means the workers' disability compensation appeals commission or any successor to that body.
- (b) "Commissioner" means a member of the workers' disability compensation appeals commission or any successor to that body.
- (c) "Director" means the director of the workers' disability compensation agency or any successor to that body. "Director" includes his or her duly authorized representative.
- (d) "Electronic filing" means the process of submitting a document over the internet to the commission, including the State of Michigan File Transfer System (FTS), in accordance with the instructions available on the commission's website.
- (e) "Electronic signature" means an electronic sound, symbol, or process, attached to or logically associated with a record and executed or adopted by a person with the intent to sign the record.
 - (i) An electronic signature may be a graphic representation of the signature.
 - (ii) The following forms are acceptable: "/s/ John Smith" or "/s/ John Smith, Attorney."
- (f) "State of Michigan File Transfer System" (FTS) is an electronic computer-based system that facilitates the transmission of a computer file through a communication channel provided by this state from 1 computer system to another.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.63 Filings generally.

Rule 3. (1) All pleadings, transcripts, briefs, and other documents pertaining to an appeal must be filed with the commission. Each document must bear both of the following:

- (a) The Board of Magistrate's case number or, if no case number has been assigned, the claimant's social security number with the first 5 digits redacted.
 - (b) The Commission's docket number, if assigned when the document is filed.
- (2) Filing may be accomplished by any of the following:
- (a) Hand delivery, mailing, or delivery service.
 - (b) Facsimile transmission.
 - (c) Any other means formally authorized by the commission, including electronic filing using the FTS.
- (3) A document filed via facsimile transmission is deemed to have been filed on the day the document is received by the commission between 12:00:00 a.m. and 11:59:59 p.m. under then-prevailing time in Lansing, Michigan.
- (4) A document filed via an approved electronic filing system is deemed to have been filed on the day the document is accepted by the system between 12:00:00 a.m. and 11:59:59 p.m. under then-prevailing time in Lansing, Michigan.
- (5) Unless authorized by the commission pursuant to subrule (2)(c) of this rule, filing by e-mail is prohibited. Service on opposing counsel by e-mail is prohibited unless opposing counsel has agreed in advance, by written or e-mail correspondence, to accept such service.
- (6) The commission shall recognize only 1 attorney for each party for the purpose of receiving correspondence and filing pleadings. The attorney for an appellant is the person signing the claim for review. The attorney for an appellee is the person who represented the appellee at the hearing or an attorney who first files an appearance for the appellee. Once an attorney is recognized in correspondence from the commission, a party may change the attorney by filing a stipulation between the current and the new attorney or by filing a motion.
- (7) An attorney who has filed a claim for review or entered an appearance may withdraw only by order of the commission,

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upon motion filed and served upon all parties, including the client of the attorney seeking to withdraw.

(8) All parties representing themselves and all attorneys representing a party shall keep the commission informed of their current mailing addresses, telephone numbers, facsimile numbers, and email addresses.

(9) A required signature means a written signature, or an electronic signature.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.64 Filing of claim for review.

Rule 4. (1) An appeal to the commission begins when a party files a claim for review. Any party filing a claim for review is an appellant. All other parties are appellees, but their filings may also make them an appellant, cross appellant, or cross appellee. An appellant shall provide copies of the filing to all other parties at the time of filing with the commission, and shall certify to the commission that the required copies have been provided.

(2) Unless otherwise provided by the provisions of the worker's disability compensation act of 1969, 1969 PA 317, MCL 418.101 to 418.941, a claim for review is timely if received by the commission as follows:

(a) Not later than 30 days after the mailing date stamped or designated by the workers' disability compensation agency on the appealed decision or order, in the case of an appeal from the order of a workers' compensation magistrate.

(b) Not later than 15 days from the mailing date stamped or designated by the workers' disability compensation agency on the appealed decision or order, in the case of an appeal from an order of the director.

(3) A party does not become an appellant or cross appellant by the party's own labeling of its filings. The commission will determine the status of an appeal in question.

(4) The commission may grant additional time in which to file a claim for review from a decision of a workers' compensation magistrate, for sufficient cause shown. A party requesting further time shall file a written "Motion for Delayed Appeal" complying with R 418.68, stating why the claim for review is late.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.65 Cross appeals.

Rule 5. (1) A cross appeal must be received by the commission not later than 30 days after the cross appellant has first received a copy of an appellant's brief. A party filing a cross appeal is a cross appellant and all other parties are cross appellees. The cross appellant shall certify the date of first receipt of appellant's brief. The failure to so certify creates a rebuttable presumption that the cross appellant received the appellant's brief on the date the commission received that brief. The cross appellant shall provide all other parties with copies of the cross appeal at the time of filing with the commission, and shall certify to the commission that this has occurred.

(2) A cross appeal may not be filed before the cross appellant has received appellant's brief.

(3) A delayed cross appeal may not be filed. An extension of time to file a reply brief does not extend the time to file a cross appeal.

(4) The withdrawal or dismissal of the appellant's appeal extinguishes the cross appeal.

(5) A cross appeal must be filed on the claim for review form, and state that the cross appellant cross appeals the order from which an appellant has filed a claim for review.

(6) A document purporting to be a cross appeal that is not filed pursuant to the requirements of this rule is a claim for review.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.66 Briefing deadlines without filing transcript.

Rule 6. (1) For purposes of briefing deadlines, a transcript is considered to be filed as follows:

(a) If a record was not made of the hearing, a transcript is considered to have been filed on the same day the claim for review is filed.

(b) If the commission accepts a stipulation of all parties to proceed without the filing of a transcript, a transcript is considered to have been filed on the date the commission accepts the stipulation.

(2) When no transcript is required pursuant to this rule, all parties are considered to have received the transcript on the date the claim for review is filed.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.67 Briefs; titles; filing.

Rule 7. (1) A brief must be entitled "appellant's brief," "appellee's brief," "cross appellant's brief," or "cross appellee's brief," or must be otherwise appropriately designated.

(2) An appellant's brief must be filed with the commission not more than 30 days after the transcript is filed. Where there are multiple transcripts, the 30-day period begins to run on the date the commission receives the last transcript.

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- (3) A cross appellant's brief must be filed with the commission not more than 30 days after the cross appellant receives an appellant's brief and a copy of the transcript.
- (4) An appellee or a cross appellee need not file a brief. If the appellee or cross appellee wishes to do so, that brief must be filed with the commission within 30 days after first receipt of the appellant's or cross appellant's brief, with certification of the date of receipt. The failure to so certify creates a rebuttable presumption that receipt of appellant's or cross-appellant's brief occurred on the date the commission received the original document.
- (5) The commission, in its discretion and for sufficient cause shown, may grant further time in which to file any brief.
- (6) The commission may allow a party to file a supplemental brief. A supplemental brief may not raise new issues.
- (7) Any party filing any brief shall certify in writing to the commission that a copy of this brief has been served upon all parties or their counsel, and the date and manner of the service.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.68 Motion practice.

Rule 8. (1) All motions must be in writing.

- (2) A party filing a motion shall provide all other parties with a copy of the motion at the time of filing and shall certify to the commission that the party has done so.
- (3) A party has 21 days from the date the motion was filed with the commission to file a response to the motion, and shall certify that a copy of the response has been provided to all other parties. The commission may consider a request to extend the time to file a response to a motion, if the request is filed before the motion is submitted to the panel for disposition. Such a request must be made in the form of a motion.
- (4) After the expiration of the time for filing a response to a motion, the motion will be submitted to a panel for disposition.
- (5) A motion or response to a motion representing the existence of facts not in the record or not within the personal knowledge of the signer of the motion or response must be supported by an affidavit signed by an individual with such personal knowledge, or those factual assertions may be disregarded.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.69 Disqualification and recusal.

Rule 9. (1) A commissioner may be recused, or disqualified, from a case based on the existence of bias, prejudice, interest, or any other cause provided for in this rule.

- (2) A commissioner may be recused in any proceeding in which the impartiality of the commissioner might reasonably be questioned, including, but not limited to, instances in which the commissioner:
 - (a) Has a personal bias or prejudice concerning a party or a party's attorney.
 - (b) Has personal knowledge of disputed evidentiary facts concerning the proceeding.
 - (c) Has been consulted or employed as an attorney in the matter in controversy.
 - (d) Is or was a party.
 - (e) Was, within the preceding 2 years, a partner of or in an employment relationship with a party.
 - (f) Was, within the preceding 2 years, attorney for a party or a member of a law firm representing a party.
 - (g) Has been a material witness concerning the matter in controversy.
- (3) A commissioner may also be recused in any proceeding in which the commissioner, the commissioner's spouse, a person within the third degree of relationship to either of them, or the spouse of such a person is:
 - (a) A party to the proceeding, or an officer, director, or trustee of a party.
 - (b) Acting as a lawyer in the proceeding.
 - (c) Known by the commissioner to have a more than de minimis financial interest that could be substantially affected by the proceeding.
 - (d) To the commissioner's knowledge, likely to be a material witness in the proceeding.
- (4) A commissioner may be disqualified for any other reason provided by law.
- (5) A commissioner who would otherwise be recused under this rule may disclose to the parties in writing the basis of disqualification and may ask the parties and their attorneys to consider, outside the commissioner's presence, whether they wish to waive disqualification. If following disclosure of any basis for disqualification other than personal bias or prejudice concerning a party, all parties agree that the commissioner should not be disqualified, the commissioner may participate in the proceeding. The existence of the agreement must be incorporated into the hearing record.
- (6) Any party seeking to disqualify a commissioner shall so move within 30 days after receiving notice that the commissioner will participate in the proceeding or upon discovering facts establishing grounds for disqualification, whichever is later. A motion for recusal must be made in writing and accompanied by an affidavit setting forth definite and specific allegations demonstrating the facts upon which the motion for disqualification is based. An untimely motion may be granted for good

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cause shown. If a motion is not timely filed, the commission may consider the untimeliness in deciding whether to grant the motion.

(7) The challenged commissioner shall decide the motion. If the challenged commissioner denies the motion, the challenging party may, within 14 days, submit to the challenged commissioner or the commission chairperson a request that the motion be referred for decision to another commissioner assigned by the chairperson subject to the following:

(a) If the chairperson is the challenged commissioner or if the chairperson has an acknowledged conflict of interest, the commissioner whose participation is not being challenged shall decide the motion.

(b) If the challenged commissioner is the only commissioner with no acknowledged conflict of interest, the motion must be referred to the workers' compensation board of magistrates for decision by either the chairperson or another magistrate designated by the chairperson.

(c) Consideration of a referred motion shall be *de novo*.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.70 Extensions of time to comply with rules.

Rule 10. The commission may grant extensions of time to a party to comply with any of these rules for sufficient cause shown, except as otherwise provided in these rules.

History: 2021 MR 21, Eff. Nov. 12, 2021.

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

WORKERS' DISABILITY COMPENSATION AGENCY

WORKERS' COMPENSATION BOARD OF MAGISTRATES

PART 1. GENERAL

R 418.81 Definitions.

Rule 1. As used in these rules:

(a) "Act" means the worker's disability compensation act of 1969, 1969 PA 317, MCL 418.101 to 418.941.

(b) "Board" means the workers' compensation board of magistrates.

(c) "JFPTC" means joint and final pretrial conference.

(d) "JFPTO" means joint and final pretrial order.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.82 Scope.

Rule 2. (1) These rules apply to practice and procedures before the board.

(2) These procedural rules must be construed to secure a fair and impartial determination of the issues presented in contested cases consistent with due process.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.83 Hearing district explained.

Rule 3. (1) A hearing district is an area of the state served by 1 or more magistrates as designated by the chairperson of the board.

(2) The assignment of magistrates is as required by caseload and determined by the chairperson of the board.

(3) The chairperson of the board is responsible for implementing hearing procedures and has general supervisory control of the board, consistent with section 213 of the act, MCL 418.213, and Executive Reorganization Order No. 2019-13, MCL 125.1998.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.84 Computation of time.

Rule 4. (1) In computing any period of time prescribed or allowed by these rules, the time in which an act is to be done is computed by excluding the first day and including the last, unless the last day is a Saturday, Sunday, or state legal holiday, in which case the period will run until the end of the next day following the Saturday, Sunday or state legal holiday.

(2) Unless otherwise specified by the magistrate, rule, or statute, the date of receipt of a filing by the board is the date used to

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determine whether a pleading or other paper has been timely filed.

(3) Except where otherwise specified, a period of time in these rules means calendar days, not just business days.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.85 Appearances.

Rule 5. (1) Unless otherwise indicated by the magistrate, the parties or their attorneys shall personally appear at facilitations, motions, pre-trials, redemptions, hearings on the merits, control dates, JFPTC, and any other types of hearings as may be scheduled.

(2) With prior approval of the magistrate, the parties or their attorneys may appear-by telephone, video conference, or other electronic means. The parties or their attorneys shall be ready to proceed as previously directed by the magistrate.

(3) Failure of the petitioner or the petitioner's attorney to appear in a timely manner and participate may subject the application for hearing to dismissal. If the respondent or the respondent's attorney fails to appear in a timely manner, then the magistrate may proceed in the absence of the respondent or the respondent's attorney.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.86 Disqualification of magistrate.

Rule 6. (1) A party may bring a motion to disqualify a magistrate, or a magistrate may raise the issue on his or her own initiative.

(2) A magistrate is disqualified when the magistrate cannot impartially hear a case. Circumstances that warrant disqualification include, but are not limited to, circumstances where the magistrate:

(a) Is interested as a party.

(b) Is personally biased or prejudiced for or against a party or attorney.

(c) Has been consulted or employed as counsel.

(d) Was a partner of a party, attorney for a party, or a member of a law firm representing a party within the preceding 2 years.

(e) Is within the third degree under civil law of consanguinity or affinity to a person acting as an attorney or within the sixth degree under civil law to a party.

(f) Owns, or his or her spouse or minor child owns, a stock, bond, security, or other legal or equitable interest of a corporation that is a party. This subdivision does not apply to any of the following:

(i) Investments in securities traded on a securities exchange registered as a national securities exchange under the Securities Exchange Act of 1934, 15 USC 78a to 78pp.

(ii) Shares of an investment company registered under the Investment Company Act of 1940, 15 USC 80a-1 to 80a-64.

(iii) Securities of a public utility holding company registered under the Public Utility Holding Company Act of 2005, 42 USC 16451(8).

(g) Is disqualified for any other reason by law.

(3) A party shall file a motion to disqualify within 30 days after the case has been assigned to a magistrate, or within 30 days after the movant discovers, or with reasonable diligence should have discovered, the information that is the basis of the motion, whichever is later.

(4) The motion for disqualification must set forth with particularity the factors that would be admissible as evidence to establish the grounds stated in the motion. An affidavit must accompany the motion.

(5) The challenged magistrate shall decide the motion. If the challenged magistrate denies the motion, then the challenging party may ask that the motion be referred for decision to the chairperson or, in the chairperson's discretion, the chairperson may assign the motion to another magistrate at a different hearing location for decision, except as provided in subrule (6) of this rule.

(6) If the motion is made after the trial has commenced, then the challenged magistrate shall rule upon the motion. If the motion is denied, then the trial magistrate shall continue the trial.

(7) When a magistrate is disqualified, the chairperson shall assign another magistrate to hear the case.

(8) The parties may waive actual, potential, or purported conflicts with a magistrate, and that magistrate may then process the claim as he or she deems fit.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.87 Ex parte communications with a magistrate.

Rule 7. (1) Counsel or the parties may not engage in substantive ex parte communications with the magistrate concerning the action prior to the hearing. Routine communication about administrative tasks, such as scheduling hearings, is not prohibited.

(2) If a magistrate receives direct or indirect communication prohibited by subrule (1) of this rule, the magistrate shall promptly notify all parties or their attorneys of the receipt of such communication and its content. A record of the

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communication must be maintained in the agency file.

(3) Once a case has been referred to a magistrate for hearing, all communication related to the case of a substantive basis from any party should be administered through agency staff.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.88 Case development docket.

Rule 8. (1) All cases are assigned to a magistrate on initial pre-trial date. Unless it is a 60-day case, the magistrate shall place the case on the case development docket and schedule an initial control date. 60-day cases, as provided in section 205 of the act, MCL 418.205, must be placed on the trial docket, and scheduled for a JFPTC and trial date in accordance with R 418.93. The petitioner in a 60-day case may waive that status and the case shall then be placed on the case development docket.

(2) Cases that are on the case development docket are assigned control dates at the discretion of the magistrate at such intervals and frequency as deemed appropriate. Appearance of the parties must comply with R 418.85.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.89 Subpoena; provision to opposing party; submittal of subpoenaed records; disputes.

Rule 9. (1) A subpoena must be on an agency approved form and comply with the following:

(a) The party requesting the subpoena shall certify that the matter about which the subpoena is requested is pending before the agency.

(b) Magistrates or attorneys may sign subpoenas. A subpoena must be fully completed before submission to a magistrate for signing.

(c) The return date indicated on the subpoena must provide a reasonable time for compliance.

(d) Magistrates may sign a subpoena for a case assigned to another magistrate unless the assigned magistrate has refused to sign the subpoena.

(2) A copy of a subpoena issued by a magistrate or attorney pursuant to section 853 of the act, MCL 418.853, must be provided to all parties, or their legal counsel if known, at the time of issuance.

(3) All subpoenaed records must be returned directly to the party requesting the records. The charges for copying records are limited to the charges permitted by R. 418.10118(1).

(4) The recipient of the subpoena shall immediately do either of the following:

(a) Provide a complete copy of the records to the requesting party.

(b) Make the records reasonably available to the requesting party for copying.

(5) After a requesting party has obtained a copy of subpoenaed records, that party shall promptly provide a copy to all other parties.

(6) Only those records admitted into evidence or offered and excluded by a magistrate at a hearing are placed in the agency file or maintained by the agency.

(7) Any dispute arising under this rule must be brought by motion before the assigned magistrate and have a copy of the subpoena attached. A copy of the motion and the subpoena must be served on all parties or their counsel, and proof of service filed with the agency. If a party claims certain subpoenaed records, or portions thereof, are protected from disclosure by a privilege, the magistrate assigned to the case shall assign another magistrate to hear the motion, review the records, and order production of the records, or portions thereof, not specifically protected by a privilege.

(8) A witness who attends any action or proceeding pending before a magistrate shall be paid a witness fee of \$12.00 for each day and \$6.00 for each half day. The traveling expenses are those authorized in the state standardized travel regulations.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.90 Motion practice.

Rule 10. (1) All requests for action addressed to the magistrate, other than during a hearing, must be made in writing. Written requests for action must state specific grounds and describe the action or order sought. A copy of all written motions or requests for action must be served pursuant to R 408.36(c). All motions must be accompanied by a notice of hearing.

(2) All motions must be filed at least 14 days prior to the date set for hearing unless other scheduling provisions prevent compliance with this timeline or the need for the motion could not reasonably have been foreseen 14 days prior to the hearing.

(3) A response to a motion may be filed within 7 days after service of the written motion unless otherwise ordered by the magistrate. A party may request an expedited ruling.

(4) All motions and responses must include citations of supporting authority and, if germane, supporting affidavits and attachments to affidavits.

(5) A ruling on a motion must be on the record and memorialized in a written order, at the discretion of the magistrate or if

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requested by any party.

(6) Unless ordered by the magistrate or a tribunal of higher authority, a claim for review filed in response to a ruling issued under subrule (5) of this rule is not a stay of magistrate proceedings.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.91 Discovery.

Rule 11. (1) Discovery provided in sections 222, 301, 401, and 853 of the act, MCL 418.222, 418.301, 418.401, and 418.853, and applicable caselaw, must be available under the supervision of the magistrate as set forth in this rule.

(a) The claimant shall provide the information and records required pursuant to section 222(3) of the act, MCL 418.222, a completed WC-105A, and copies of reports from medical examiners requested by the employer or his or her attorney within 30 days of receipt.

(b) The employer or carrier shall provide information and records required pursuant to sections 385 and 222(2) of the act, MCL 418.385 and 418.222, and a completed WC-105B, except where the employer is no longer active and there is no representative available to complete the form.

(c) The parties shall reasonably supplement their responses to subdivisions (a) and (b) of this subrule as new information is obtained or records are received.

(d) Vocational consultant reports and the information contained therein must be provided to all parties within 21 days of receipt of the reports. Failure to observe the time periods in this subdivision may be raised by any party as a basis to exclude the report as evidence at the discretion of the magistrate. Any information in the report regarding available remunerative employment must include all of the following:

(i) The name, address, and phone number of the employer with available employment.

(ii) A job description outlining all of the functional requirements of the job.

(iii) Any other pertinent information necessary to apply for the employment.

(e) If an employer or carrier independently obtains information that remunerative employment is reasonably available to the injured employee, the employer or carrier shall, within a reasonable time, provide to the employee or his or her attorney all the information required in subdivision (d)(i), (ii), and (iii) of this subrule.

(f) If not already provided by the employer pursuant to subdivision (b) of this rule, employers, carriers, and claims administrators shall, upon written request, provide a complete copy of all employment, personnel and claims records of the employee in their possession, including, but not limited to, electronically stored, or communicated information. Records must include, but are not limited to, all of the following:

(i) Payroll records.

(ii) Records and values of all fringe or other benefits.

(iii) Injury reports.

(iv) Witness statements.

(v) First aid and other medical reports.

(vi) Group insurance records.

(vii) Material safety data sheets.

(viii) Air quality studies.

(ix) Occupational safety and health reports.

(x) Nurse case management records.

(xi) Non-privileged portions of the claims file.

(g) Upon request, an employee shall submit to an examination by a physician or surgeon authorized to practice medicine in this state. The term ‘physician’ as used in this rule shall be interpreted to include psychologists who satisfy the requirements of section 18223 of the public health code, 1978 PA 368, MCL 333.18223, and section 1100c(11) of the mental health code, 1974 PA 258, MCL 330.1100c. The magistrate may determine the time, place, manner, conditions, and scope of the examination. Other than as provided for in section 385 of the act, MCL 418.385, no person other than the employee may be present at the examination without the consent of the opposing party or by order of the magistrate for good cause shown.

(h) Upon the request of a defendant employer or carrier, an employee seeking wage loss benefits shall appear for an interview regarding his or her qualifications and training conducted by a qualified vocational rehabilitation consultant at a time and place convenient to the employee. The employee may appear with a person of the employee’s choosing. The employee may record the interview at the employee’s expense with the consent of the opposing party or by order of the magistrate for good cause shown.

(i) Additional discovery under section 853 of the act, MCL 418.853, may be made equally available to all parties at the discretion and supervision of the magistrate.

(j) For claims arising out of an employee’s death, the employer or carrier shall, upon written request, provide the following to

the claimant's attorney within 28 days:

- (i) The names, addresses, and telephone numbers of all individuals with information about the employee's jobs duties and the events and circumstances surrounding the employee's injury or death.
- (ii) Copies of all investigation or incident reports and witness statements in the employer's possession or control.
- (iii) Copies of all electronically stored information, including video surveillance, that documents the employee's injury or death and the circumstances surrounding it.
- (iv) Depending on the nature of the case and the issues involved, the magistrate may order other forms of discovery, upon request of a party and for good cause shown.
- (v) The obligations set forth in subdivision (j)(i) and (ii) of this subrule apply equally to information possessed by claimants, their attorneys, and agents thereof.
- (k) For claims arising out of an employee's cognitive or communicative incapacity, a magistrate may require the employer or carrier to provide the information set forth in subdivision (j) of this subrule upon a sufficient showing of such cognitive or communicative incapacity.
- (l) Evidence exchanged pursuant to this rule shall not be provided to or maintained by the agency unless marked as an exhibit by a party.
- (2) Upon finding the willful failure of a party to comply with this rule, the magistrate may exclude evidence or prohibit that party from proceeding under the act.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.92 Exhibit admissibility hearing.

Rule 12. (1) After the parties have had a reasonable opportunity to gather and exchange existing medical and other documents upon stipulation of the parties, upon the motion of a party, or at the discretion of the magistrate, the magistrate may schedule, at a date, time, and place convenient to the parties, a hearing to determine admissibility at trial of any specific proposed exhibit.

(2) A party seeking to introduce any specific proposed exhibit under this rule shall provide a copy of such exhibit, unless previously furnished to all other parties, at least 14 days prior to the exhibit admissibility hearing.

(3) Any objections to the proposed exhibit must be made by the parties at or before the hearing and ruled upon by the magistrate consistent with R 418.97. Upon finding that a proposed exhibit under this rule is not authentic or was created specifically for purposes of the litigation, the magistrate may exclude the proposed exhibit. Any decision on any objections are subject to R 418.90(5) and (6).

(4) All exhibits found admissible by the magistrate must be identified with specificity in an order and admitted at the time of trial.

(5) A party may attempt to cure or remedy any sustained objections to the admission of exhibit raised by an opposing party at the exhibit admissibility hearing. This rule does not preclude a magistrate from subsequently admitting the proposed documents once the parties have had the opportunity to cure or remedy any objections raised. This rule does not preclude a party from offering other documentary evidence prior to the JFPTC or during trial.

(6) If an exhibit is found to be admissible, any party opposing admission of the exhibit may schedule the deposition of the person or entity that prepared the record at that party's expense. The magistrate may limit the physician charges for such cross examination to a reasonable fee under section 858 of the act, MCL 418.858. The party offering the evidence is entitled to examine the person or entity during such a deposition.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.93 Joint final pre-trial conference.

Rule 13. (1) Records or other exhibits of any kind that any party intends to offer as evidence in the proceeding shall be exchanged between the parties no later than 14 days before the JFPTC. After the parties have gathered and exchanged the existing medical and other evidence, upon stipulation of the parties or at the discretion of the magistrate, there must be a JFPTC with the magistrate regarding admissibility of evidence or any other preliminary matters.

(2) The parties may prepare and file a joint final pre-trial statement that lists issues for adjudication, stipulations, and any potential witnesses and exhibits, other than materials subject to attorney-client privilege, that the parties intend to submit into evidence at the time of trial. This will not constitute a waiver of any issue, witness testimony, or exhibit not specifically raised or listed should a statement be submitted.

(3) Any objections to the proposed witnesses and exhibits shall be made by the parties and ruled upon by the magistrate. Upon finding that a proposed exhibit under this rule is not authentic or was created specifically for purposes of the litigation, the magistrate may exclude the proposed exhibit. Any decision on any objections is subject to R 418.90(5) and (6).

(4) All admissible exhibits must be listed in a JFPTO, except as provided in subrules (2) or (7) of this rule or R 418.94(6),

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and admitted at the time of trial.

(5) After the completion of the JFPTC, the magistrate shall place the case on the trial docket and assign a trial date. The magistrate may schedule a subsequent JFPTC if necessary.

(6) The parties are bound by the stipulations listed on the JFPTO unless modified or withdrawn for good cause shown. If a stipulation is modified or withdrawn, the party proposing the stipulation may offer additional evidence, including testimony necessitated by the withdrawal or modification.

(7) The parties must be entitled to necessary rebuttal evidence and witnesses including materials subject to attorney client privilege, not listed on the JFPTO at the time of trial. The parties may offer rebuttal evidence and witnesses at the time of trial, not listed on the JFPTO, including materials not previously disclosed due to attorney-client privilege.

(8) While a case is pending on the trial docket, the parties may attempt to cure or remedy any objections raised by the opposing party at the JFPTC. The magistrate may make subsequent rulings as to admissibility once the parties have had the opportunity to cure or remedy any objections raised.

(9) At the discretion of the magistrate, a case may be returned to the case development docket after being placed on the trial docket if the circumstances require, to allow further development.

History: 2021 MR 21, Eff. Nov. 12, 2021.

PART 2. HEARINGS

R 418.94 Hearing procedures.

Rule 14. (1) The party filing the application for mediation or hearing must first present evidence in support of the application.

(2) Unless the magistrate orders otherwise, only 1 attorney for each party may examine or cross-examine a witness.

(3) The magistrate may call witnesses, issue subpoenas, and order the production of books, records, accounts, and papers that are necessary for the purpose of making a decision. A magistrate may direct the attorneys to submit briefs.

(4) The magistrate may require such information from the parties as may be necessary to monitor the progress of the case, assist in the voluntary exchange of information between parties, and assist in the scheduling of cases.

(5) The hearing completion time shall be at the discretion of the magistrate, but it must not be more than 30 days after the date the hearing commenced unless the magistrate allows an extension beyond this time for good cause shown.

(6) Unless provided in accord with R 418.92 and R 418.93, all records, or other exhibits of any kind that any party intends to offer as evidence in the proceeding must be exchanged between the parties no later than 14 days before the JFPTC. This will not preclude admission at trial of any additional records or exhibits and does not constitute preclusion of records or exhibits not in the possession of either party, or newly discovered relevant evidence from being admitted.

(7) At their own expense, a party may schedule the cross-examination of the person or entity that prepared a proposed exhibit. The magistrate may limit the physician's charges for such cross-examination to a reasonable fee under section 858 of the act, MCL 418.858.

(8) This rule does not affect the magistrate's discretion to rule on newly discovered evidence.

(9) A case may be placed on the redemption docket upon request of the parties if it appears that the case will be resolved by way of redemption. The parties must be given necessary time to resolve any issues regarding medical bills or liens; Medicare or Medicaid compliance; friend of the court liens; or any other such liens, claims, or issues that may arise. If the parties are ultimately unable to resolve the case by way of redemption, the case must be returned to the development or trial docket, at the discretion of the magistrate.

(10) Upon finding the willful failure of a party to comply with this rule, the magistrate may prohibit that party from proceeding under the act.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.95 Stipulations.

Rule 15. In addition to stipulations in the JFPTO:

(1) The parties may agree upon facts, or any portion of facts, by written stipulation or by a statement entered into the record.

(2) Stipulations must be used as evidence at the hearing or subsequent proceedings.

(3) Stipulations are binding on the parties that have acknowledged acceptance of the stipulations.

(4) The parties may stipulate to limit the issues to be decided by the magistrate. The stipulation only applies to that issue and is not considered a waiver of any rights not addressed by the stipulation.

History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.96 Record.

Rule 16. (1) The agency shall maintain an official record of each case or proceeding.

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- (2) The record must include all of the following:
- (a) Notice of hearings and records of adjournments.
 - (b) JFPTO and any other prehearing orders.
 - (c) Motions, pleadings, briefs, applications, requests, opinions, and orders.
 - (d) Evidence admitted.
 - (e) Statements of matters officially noticed.
 - (f) Offers of proof, objections, and rulings.
 - (g) Clearly marked offered but rejected evidence.
 - (h) Recordings and transcripts of the proceedings before the magistrate that have been obtained by the parties.
 - (i) Written notations of any ex parte communications.
- History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.97 Evidence admissibility; objections, submission in written form.

Rule 17. (1) Except as provided in these rules, the Michigan rules of evidence, as applied in a civil case in circuit court, must be followed in all proceedings as far as practicable, but a magistrate may admit and give probative effect to evidence of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs.

- (2) The following governs admissibility of medical records at trial:
- (a) Absent an objection sustained by the magistrate, authenticated treating medical records, including bills, must be admitted.
 - (b) A report of an independent medical examiner under section 385 of the act, MCL 418.385, shall be admitted into evidence if offered by the injured employee. A report by an independent medical examiner requested by the injured employee must be admitted into evidence if offered by defendant.
 - (c) Properly authenticated diagnostic reports must be admitted into evidence if prepared by treating medical providers and commonly relied upon by other treating physicians including, but not limited to, x-rays, MRI reports, CT scans, EMG's, nerve conduction studies, ultrasounds, and laboratory results.
- (3) Expert testimony may be admitted without satisfying *Daubert v Merrell Dow Pharmaceuticals, Inc*, 509 US 579, 589; 113 S Ct 2786; 125 L Ed 2d 469 (1993).
- (4) Effect is given to the rules of privilege recognized by law.
- (5) A duly executed certificate on the agency subpoena form satisfies the authentication requirement for records.
- (6) Objections to, and rulings on, offers of evidence must be made on the record.
- History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.98 Testimonial evidence.

- Rule 18. (1) The testimony of all witnesses must be upon oath or affirmation.
- (2) Witnesses must be sequestered at the request of a party or by the magistrate on his or her own initiative.
 - (3) Opposing parties are entitled to cross-examine witnesses subject to the provisions of R 418.94(2).
 - (4) The testimony of medical experts and vocational consultants may be taken by deposition. A party taking a deposition shall give reasonable notice to all parties. The magistrate may limit the time, manner, and place where the deposition occurs.
 - (5) At the discretion of the magistrate, other witnesses may testify by deposition before trial. The magistrate may limit the time, manner, and place where the deposition testimony occurs.
 - (6) At the discretion of the magistrate, and for good cause shown, the testimony of medical experts and vocational consultants not presented at the scheduled trial date may be taken by deposition after the conclusion of the lay testimony in accordance with the following:
 - (a) The plaintiff shall take such depositions within 42 days after the trial date.
 - (b) The defendants shall take such depositions within 56 days after the trial date.
 - (c) Transcripts must be filed with the magistrate within 72 days of the completion of lay testimony.
 - (7) All depositions taken in advance of the trial date must be filed with the magistrate on the trial date.
- History: 2021 MR 21, Eff. Nov. 12, 2021.

R 418.99 Case resolution by order and opinion; redemptions of liability; attorney briefs; correction of mistakes in order or opinion.

Rule 19. (1) A case that is assigned to a magistrate must be resolved by an order and, when applicable, an opinion. The order, and when applicable, the opinion, must be written within 42 days of the closing of the record, except under extenuating circumstances as determined by the chairperson of the board.

- (2) Except under extenuating circumstances as determined by the chairperson of the board, all cases assigned to a magistrate

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that proceed to hearing must be resolved by opinion written within 42 days of closing the record and must be prepared for mailing.

(3) All redemption hearings agreements must be either approved or denied by the issuance of a redemption order.

(4) A reversionary interest clause contained in a redemption agreement must be clearly labeled and disclosed to the magistrate, who shall make an express finding as to whether the clause is in the best interests of the employee as required by section 836(1)(a) of the act, MCL 418.836.

(5) All lump sum applications must be either approved or denied by the issuance of an order.

(6) In cases that are resolved by voluntary payment, there must be a written voluntary pay agreement and an order dismissing the application.

(7) In cases that are resolved by voluntary withdrawal of an application, there must be a written order of dismissal.

(8) Within the appeal period provided, a magistrate may on his or her own initiative correct a mistake in the order or opinion. Parties may stipulate to the corrections pursuant to section 851 of the act, MCL 418.851. Any corrections require a corrected order or opinion, or both, and must specify the corrections made.

History: 2021 MR 21, Eff. Nov. 12, 2021.

BUREAU OF WORKER'S DISABILITY COMPENSATION
WORKER'S COMPENSATION HEALTH CARE SERVICES

PART 1. GENERAL PROVISIONS

R 418.101

Source: 1998-2000 AACCS.

R 418.102

Source: 1998-2000 AACCS.

R 418.103

Source: 1998-2000 AACCS.

R 418.104

Source: 1998-2000 AACCS.

R 418.105

Source: 1998-2000 AACCS.

R 418.106

Source: 1998-2000 AACCS.

R 418.107

Source: 1998-2000 AACCS.

R 418.108

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R 418.109

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R 418.110

Source: 1998-2000 AACCS.

R 418.111

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Source: 1998-2000 AACs.

R 418.113

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R 418.114

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R 418.115

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R 418.116

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R 418.117

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R 418.118

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R 418.119

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R 418.120

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R 418.121

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R 418.122

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R 418.123

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R 418.124

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R 418.125

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R 418.126

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R 418.127

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R 418.128

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R 418.129

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R 418.130

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R 418.131

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R 418.132
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PART 2. MEDICINE AND EVALUATION AND MANAGEMENT SERVICES

R 418.201
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R 418.202
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R 418.203
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R 418.204
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R 418.205
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R 418.206
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R 418.207
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R 418.208
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R 418.209
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R 418.210
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R 418.211
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R 418.212
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R 418.213
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R 418.214
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R 418.215
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R 418.216
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PART 3. ANESTHESIA

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Source: 1998-2000 AACs.

R 418.302

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R 418.303

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R 418.304

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R 418.305

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R 418.306

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R 418.307

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R 418.308

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R 418.309

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PART 4. SURGERY

R 418.401

Source: 1998-2000 AACs.

R 418.402

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R 418.403

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R 418.404

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R 418.406

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R 418.407

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R 418.409

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R 418.410

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R 418.411
Source: 1998-2000 AACS.

R 418.412
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R 418.413
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R 418.414
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R 418.415
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R 418.416
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R 418.417
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R 418.418
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PART 5. RADIOLOGY, RADIATION THERAPY, AND NUCLEAR MEDICINE

R 418.501
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R 418.502
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R 418.503
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R 418.504
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R 418.505
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R 418.506
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R 418.507
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R 418.509
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PART 6. PATHOLOGY AND LABORATORY

R 418.601
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R 418.602
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R 418.603
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R 418.604
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R 418.605
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R 418.606
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R 418.607
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R 418.611
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R 418.612
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PART 7. DENTAL

R 418.701
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R 418.702
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R 418.703
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R 418.704
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R 418.705
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PART 8. AMBULANCE SERVICE

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Source: 1998-2000 AACS.

PART 9. HOME HEALTH AGENCY

R 418.901

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R 418.902

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R 418.903

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R 418.904

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R 418.905

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PART 10. PHARMACY AND MEDICAL SUPPLY SERVICE

R 418.1001

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R 418.1002

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R 418.1003

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R 418.1004

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R 418.1005

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R 418.1006

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R 418.1007

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PART 11. OCCUPATIONAL THERAPY AND PHYSICAL THERAPY

R 418.1101

Source: 1998-2000 AACS.

R 418.1102

Source: 1998-2000 AACS.

R 418.1103

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R 418.1104

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R 418.1106
Source: 1998-2000 AACs.

PART 12. ORTHOTIC AND PROSTHETIC EQUIPMENT

R 418.1201
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R 418.1202
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R 418.1203
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R 418.1204
Source: 1998-2000 AACs.

PART 13. HEARING SERVICE

R 418.1301
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R 418.1302
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PART 14. VISION AND PROSTHETIC OPTICAL SERVICE

R 418.1401
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R 418.1402
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PART 15. MISCELLANEOUS SUPPLIER

R 418.1501
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R 418.1502
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R 418.1503
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PART 16. FACILITY SERVICE

R 418.1601
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R 418.1602
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R 418.1603
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Source: 1998-2000 AACs.

R 418.1605

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R 418.1617

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PART 17. TECHNICAL AND PROFESSIONAL HEALTH CARE REVIEW

R 418.1701

Source: 1998-2000 AACs.

R 418.1702

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R 418.1703

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R 418.1704

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R 418.1705

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R 418.1706
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R 418.1708
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PART 18. DATA ACQUISITION FROM CARRIERS, PROVIDERS, AND FACILITIES

R 418.1801
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R 418.1802
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R 418.1803
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R 418.1804
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**PART 19. PROCESS FOR RESOLVING DIFFERENCES
BETWEEN CARRIER AND PROVIDER REGARDING BILL**

R 418.1901
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R 418.1902
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R 418.1903
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R 418.1904
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R 418.1905
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**PART 20. RECONSIDERATION AND APPEAL OF ACTIONS OF
REGARDING HOSPITAL'S MAXIMUM PAYMENT RATIO AND
CERTIFICATION OF CARRIER'S PROFESSIONAL REVIEW PROGRAM**

R 418.2001
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R 418.2002
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R 418.2003
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R 418.2004
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R 418.2005
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PART 21. PAYMENT

R 418.2101
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R 418.2102
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R 418.2103
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R 418.2110
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R 418.2119
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PART 22. BILLING BY PRACTITIONER OR HEALTH CARE ORGANIZATION

R 418.2201
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R 418.2202
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R 418.2203
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PART 23. FEE SCHEDULE

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R 418.2302
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